

FIG. 1

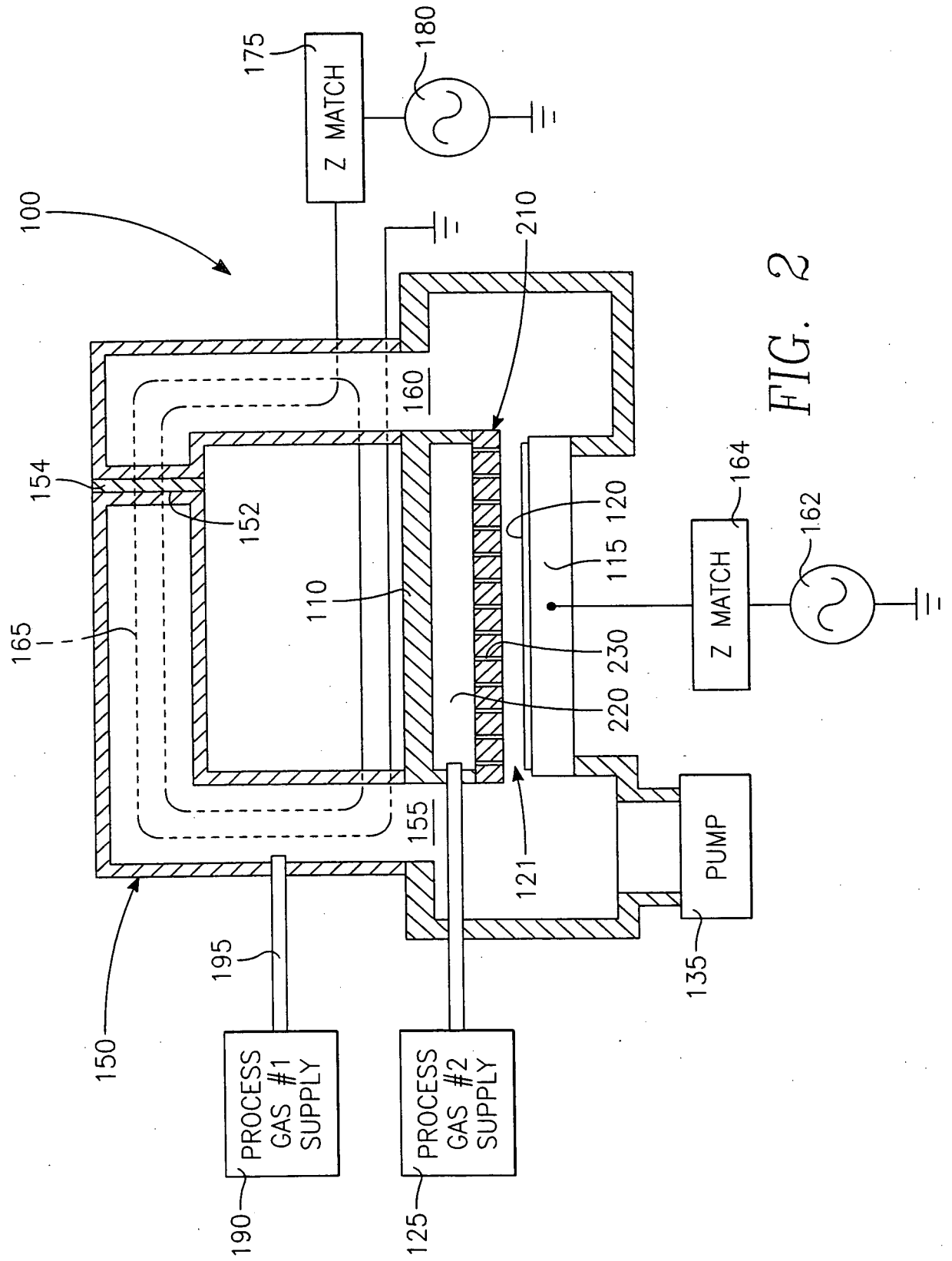


FIG. 2

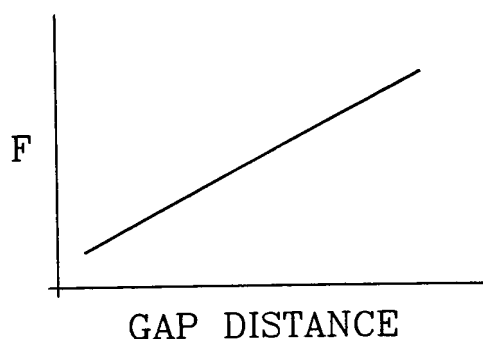


FIG. 3

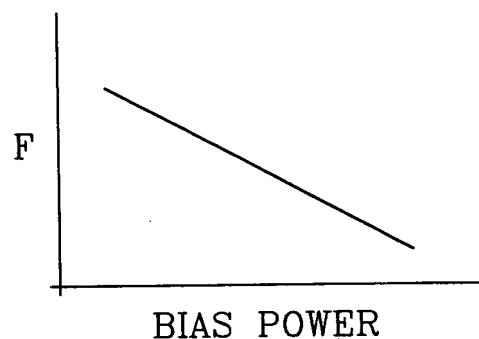


FIG. 4

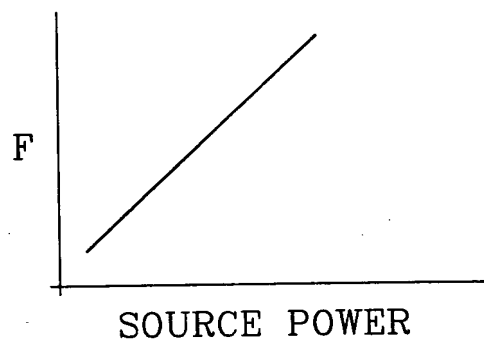


FIG. 5

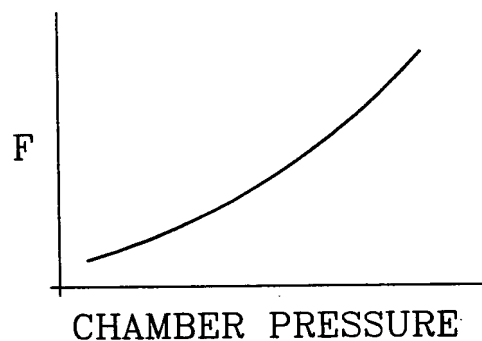


FIG. 6

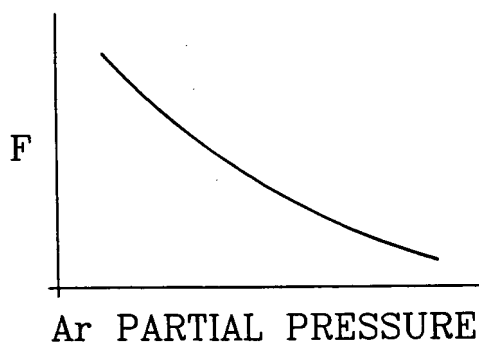


FIG. 7

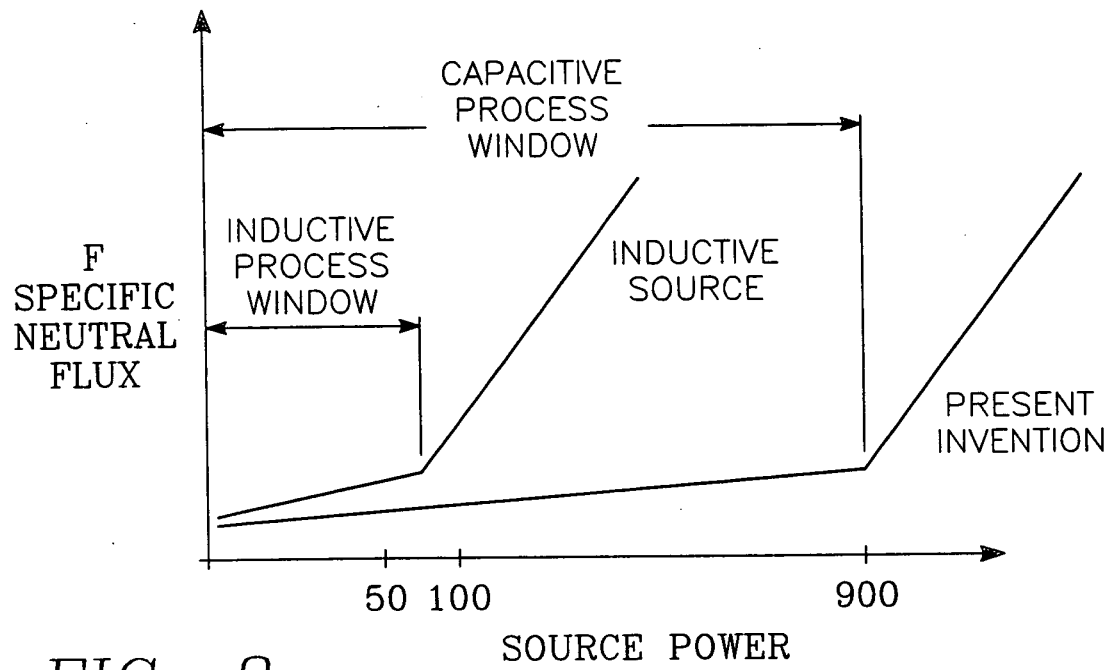
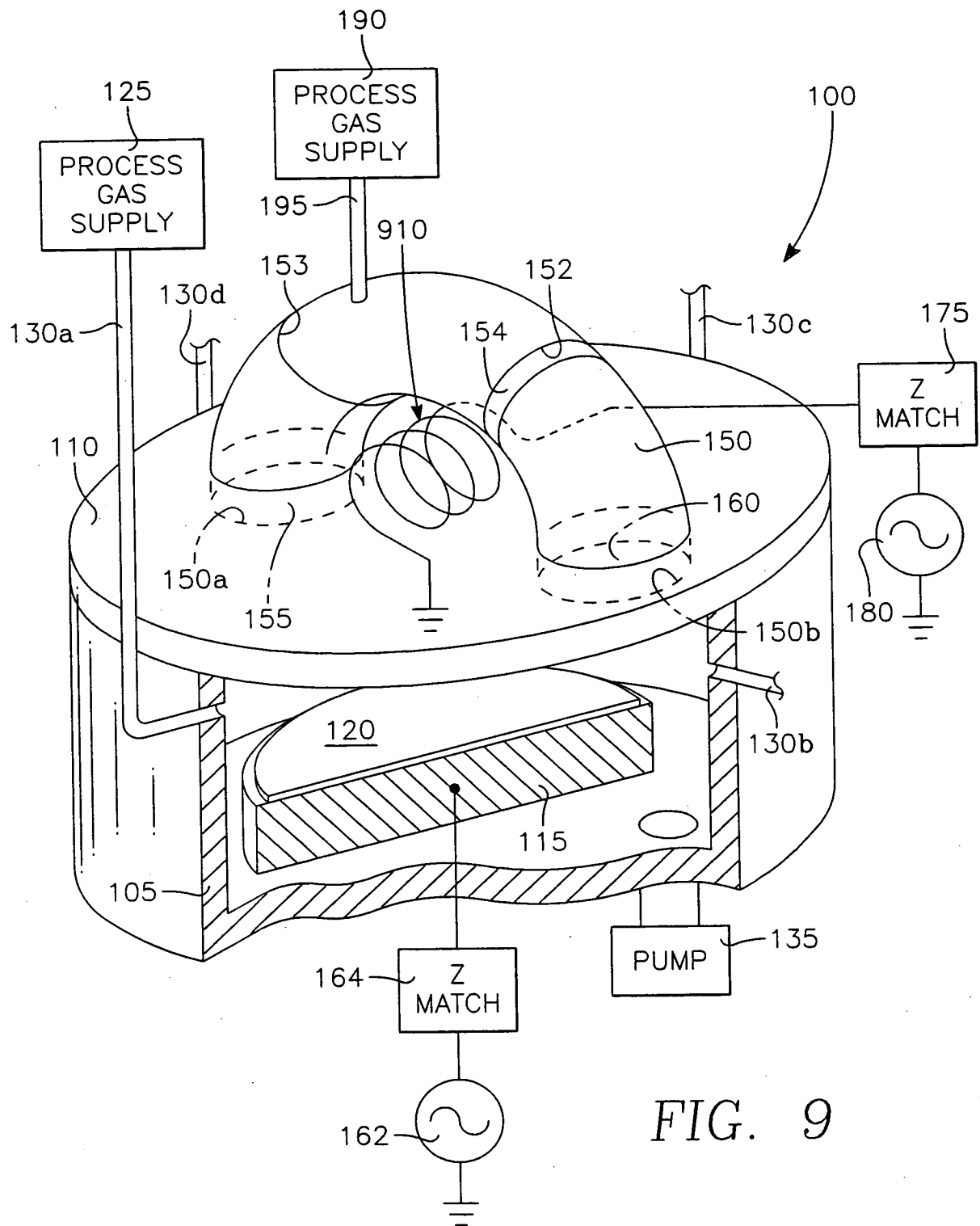
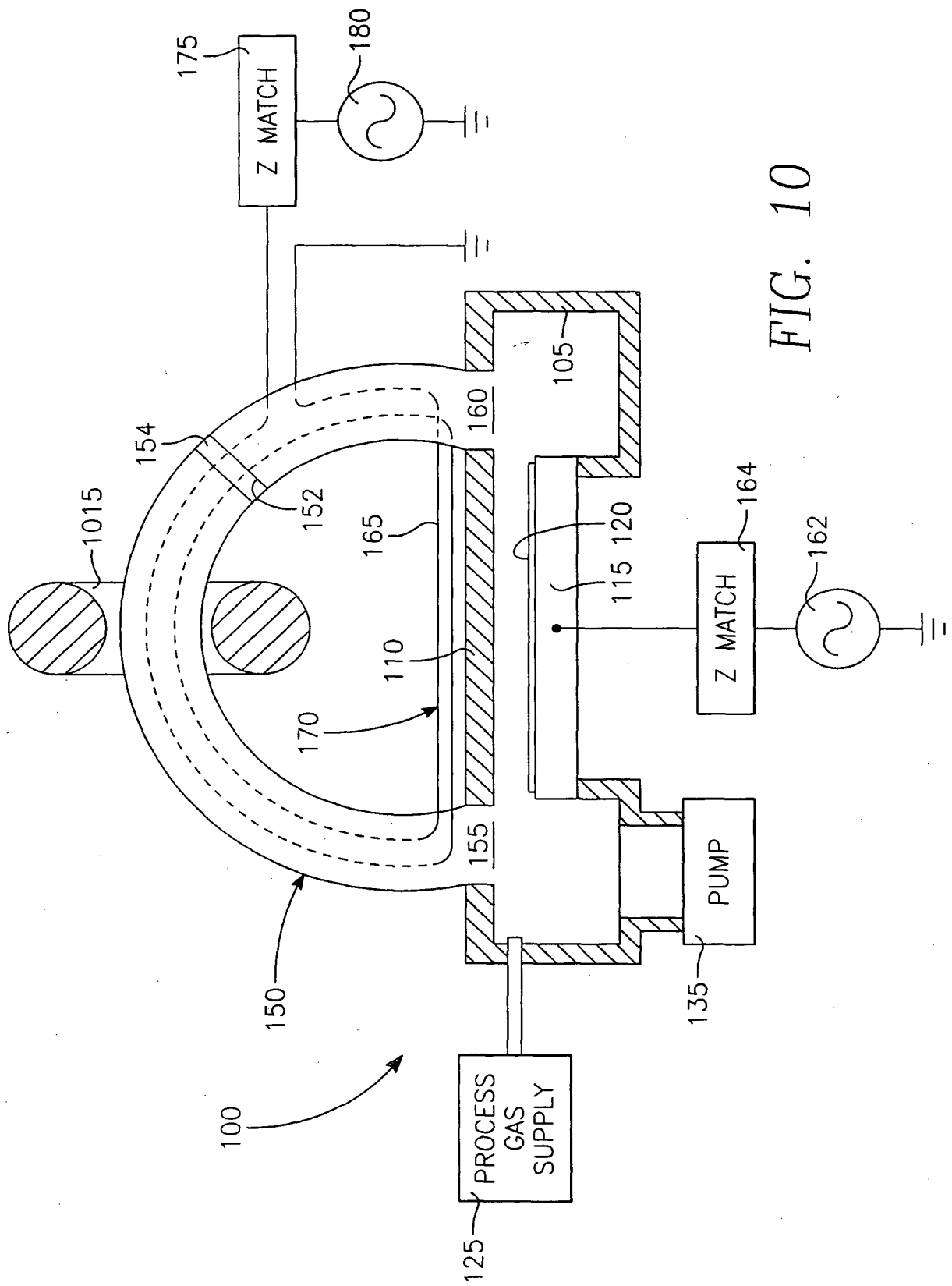


FIG. 8





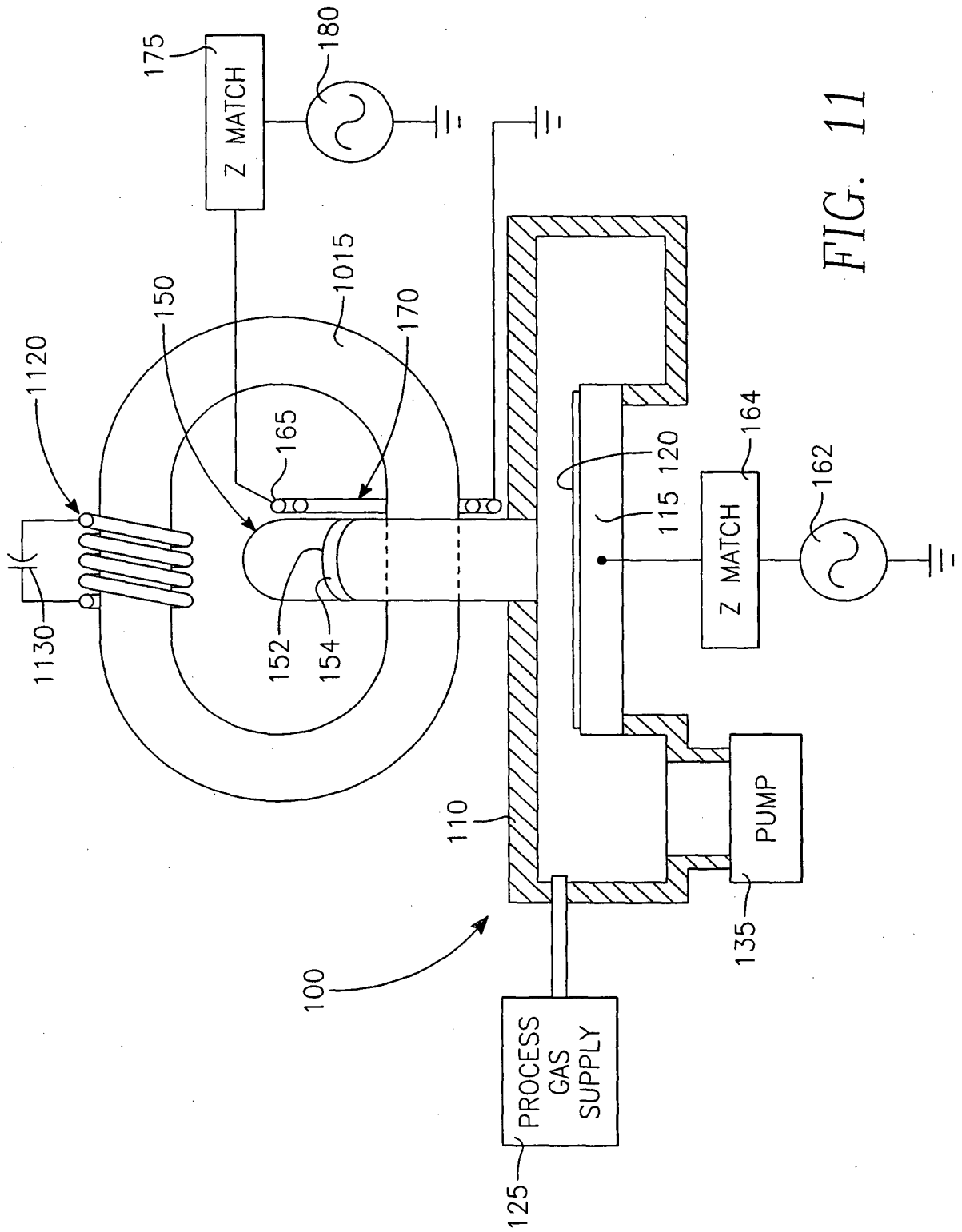


FIG. 11

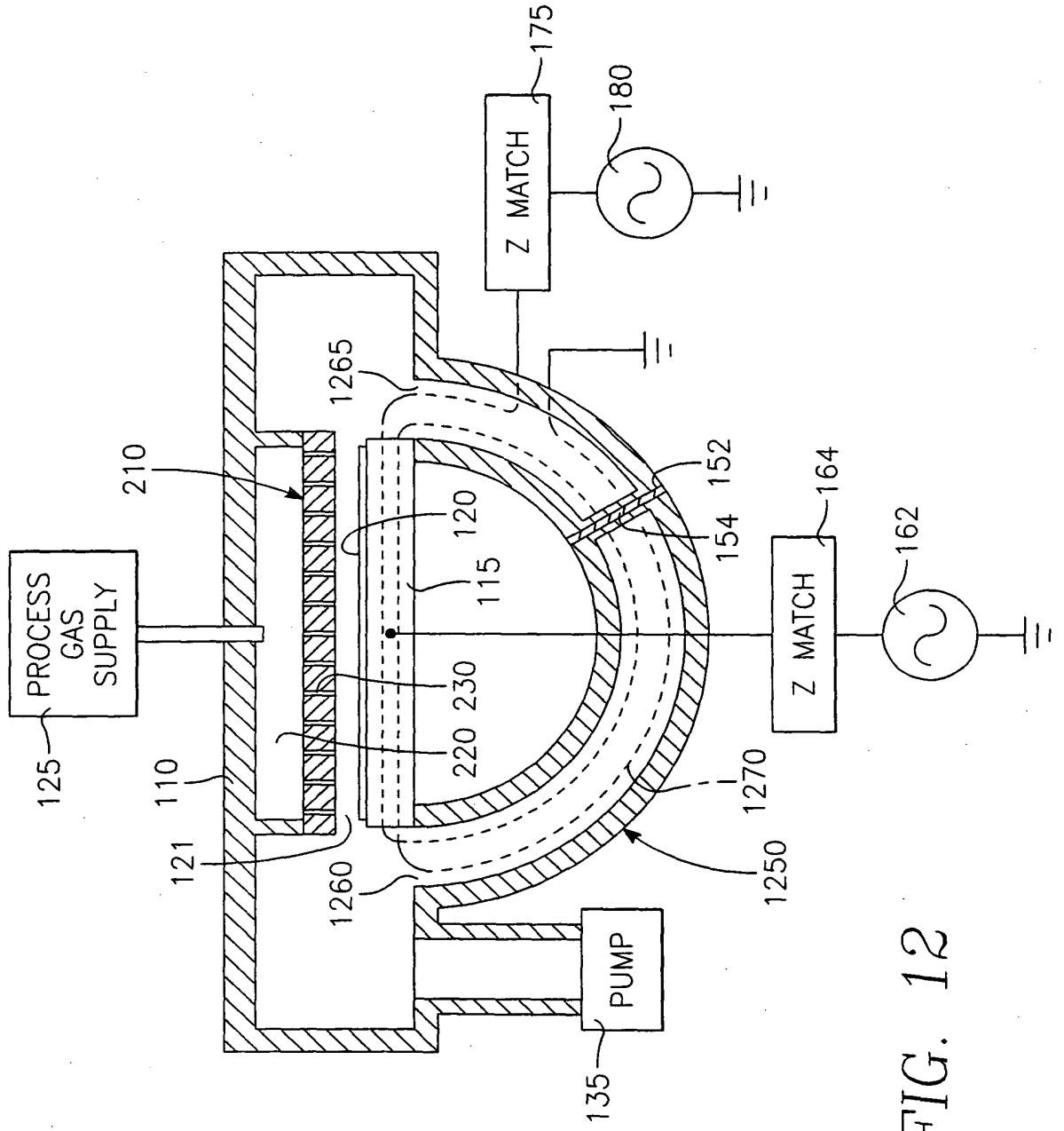


FIG. 12



9/85

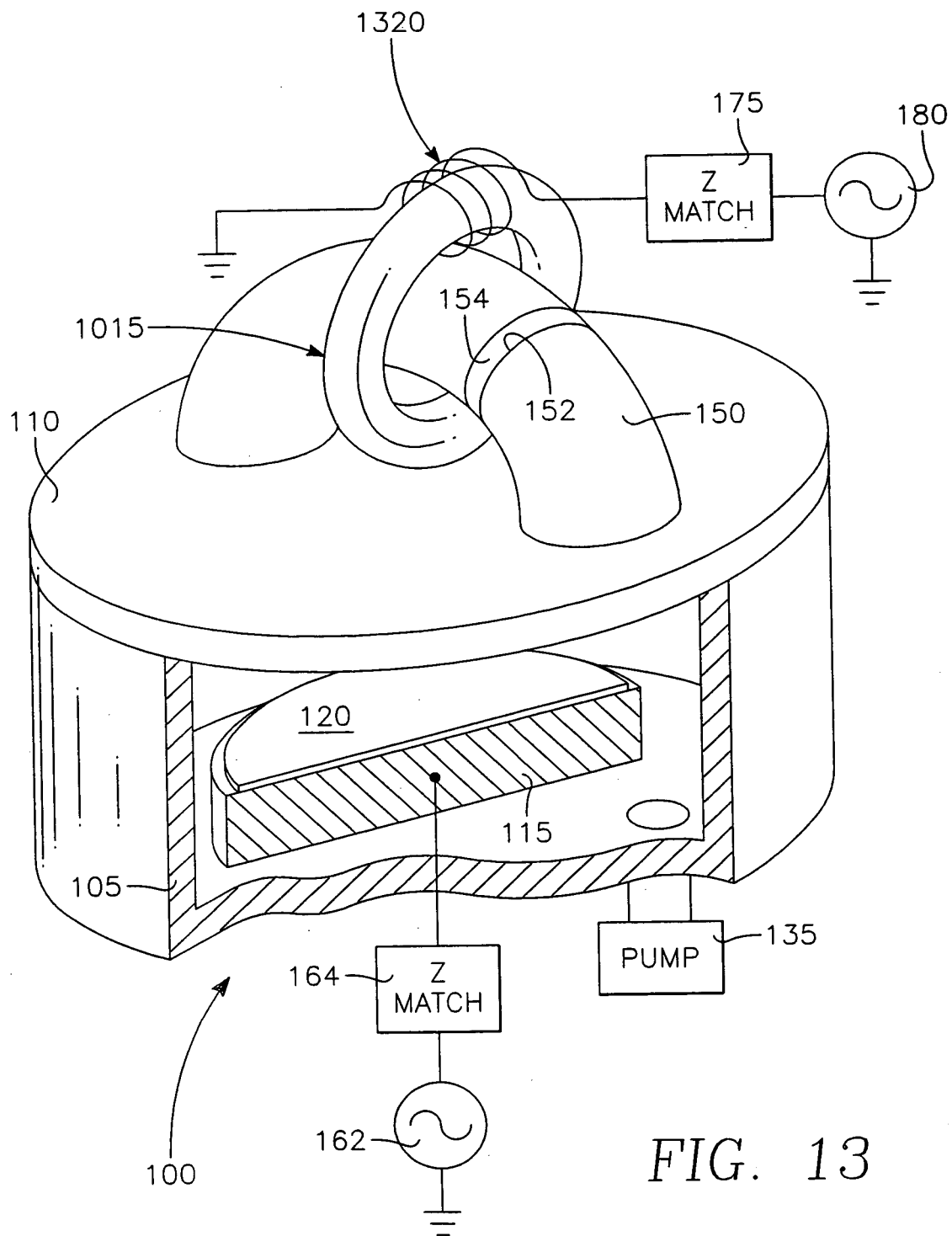


FIG. 13

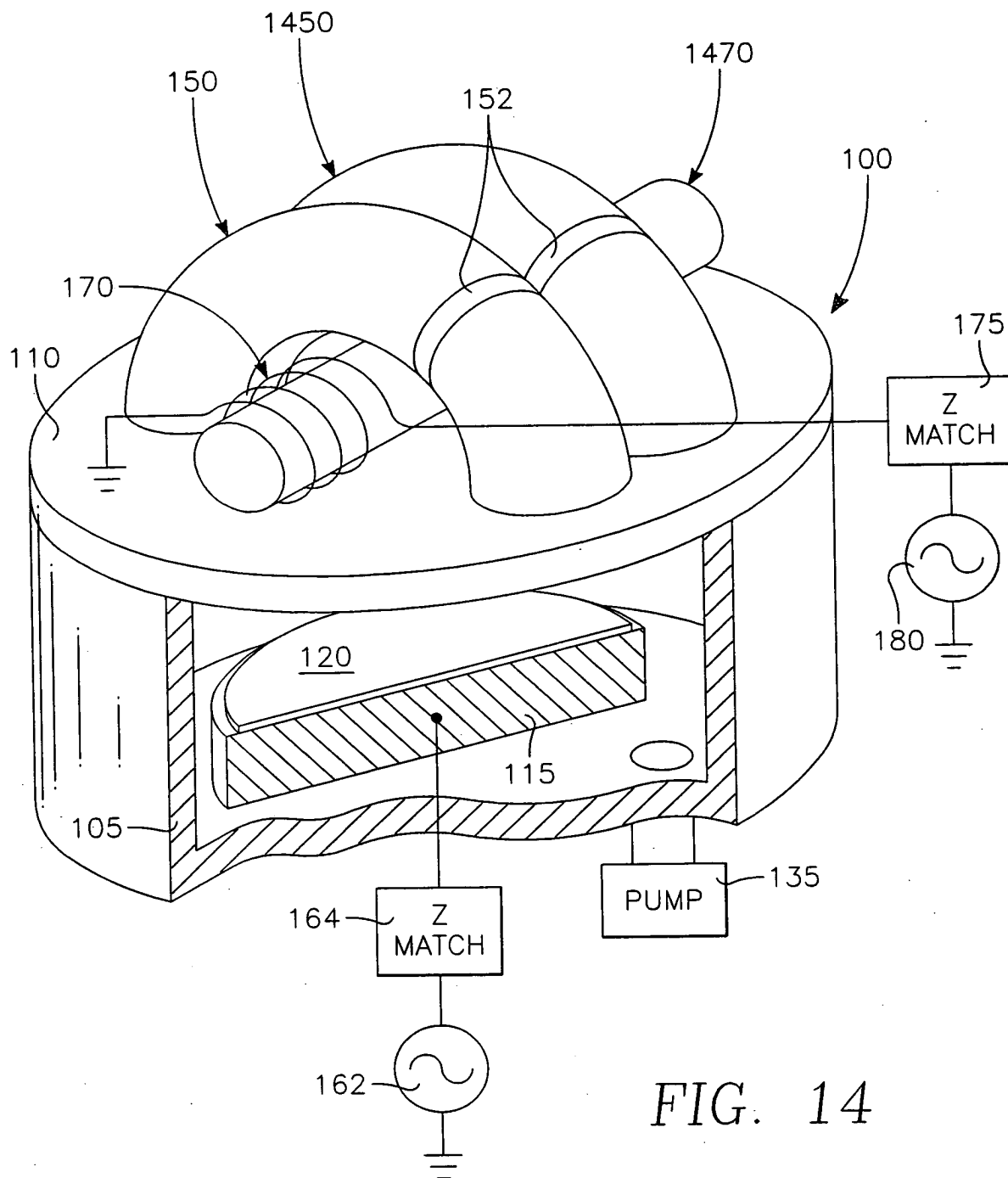


FIG. 14

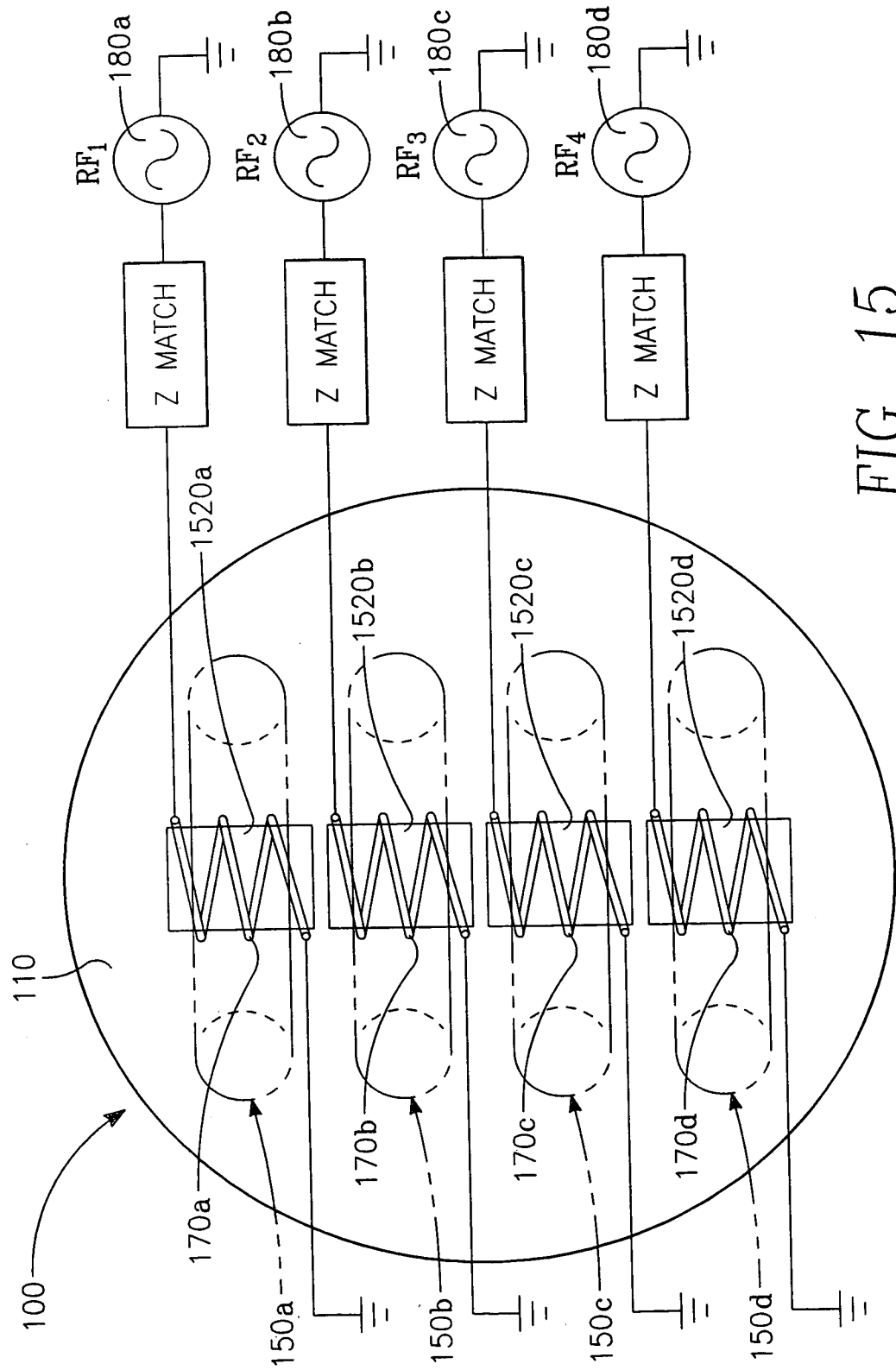


FIG. 15

12/85

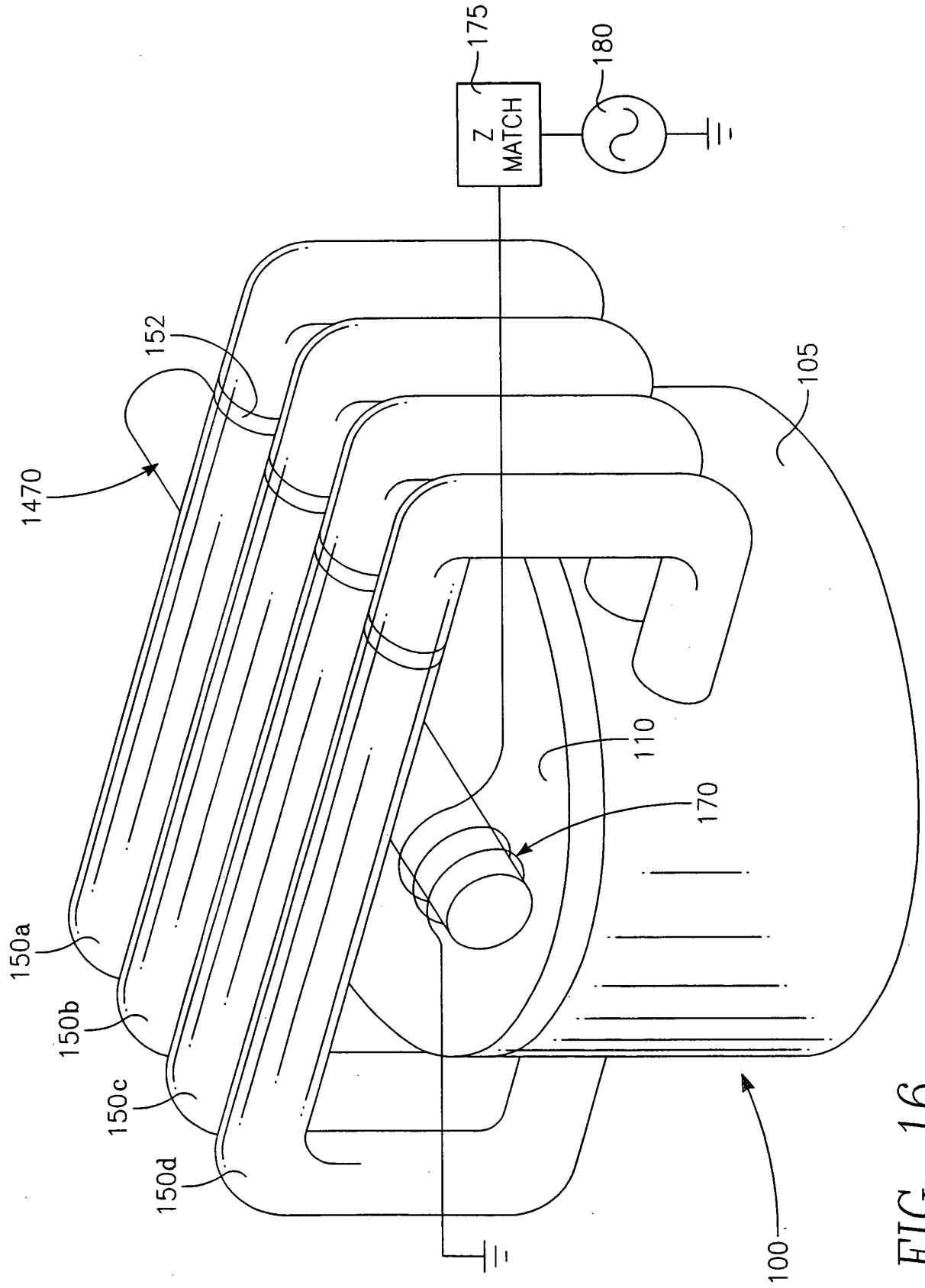


FIG. 16

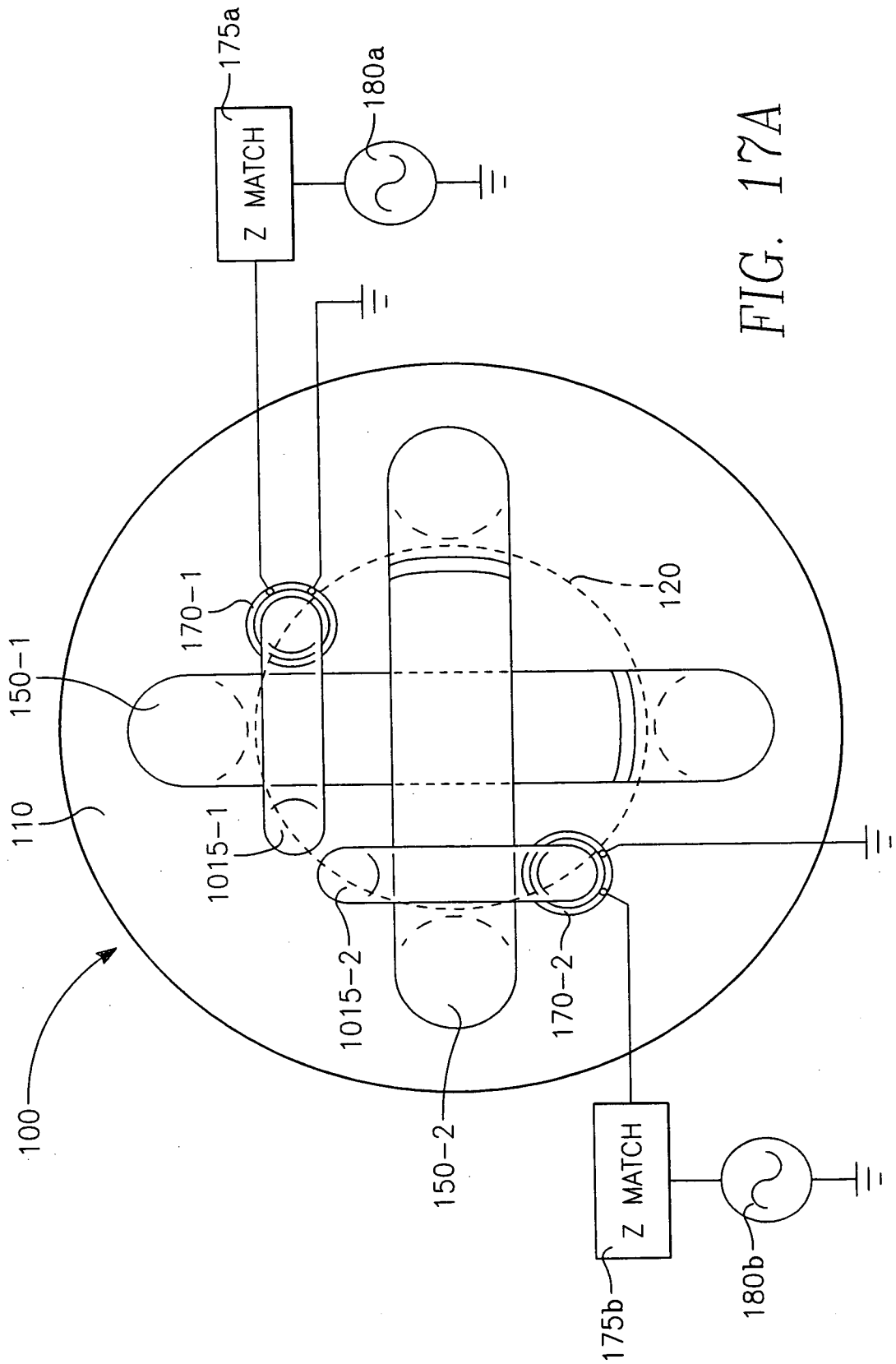


FIG. 17A

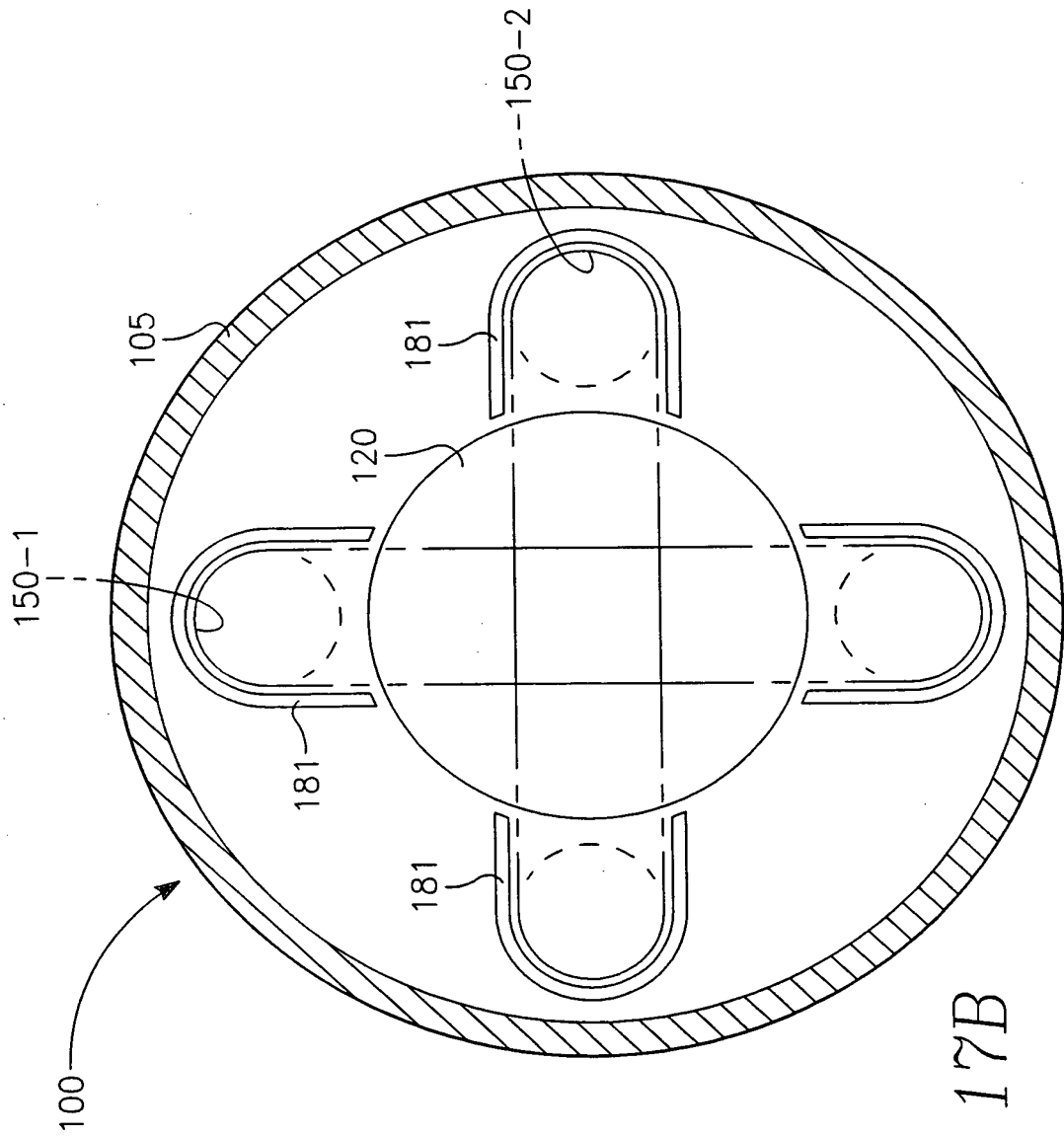
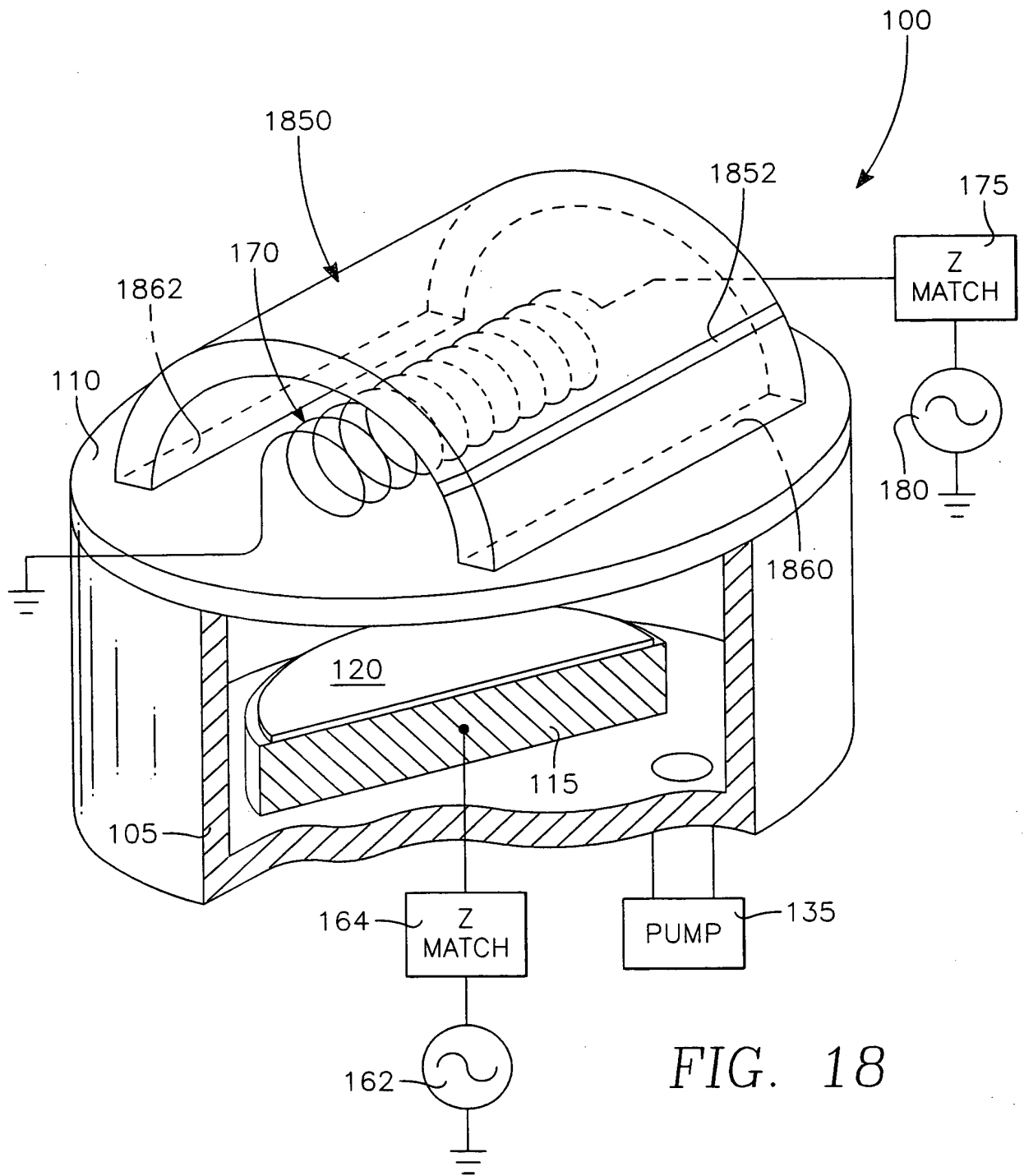
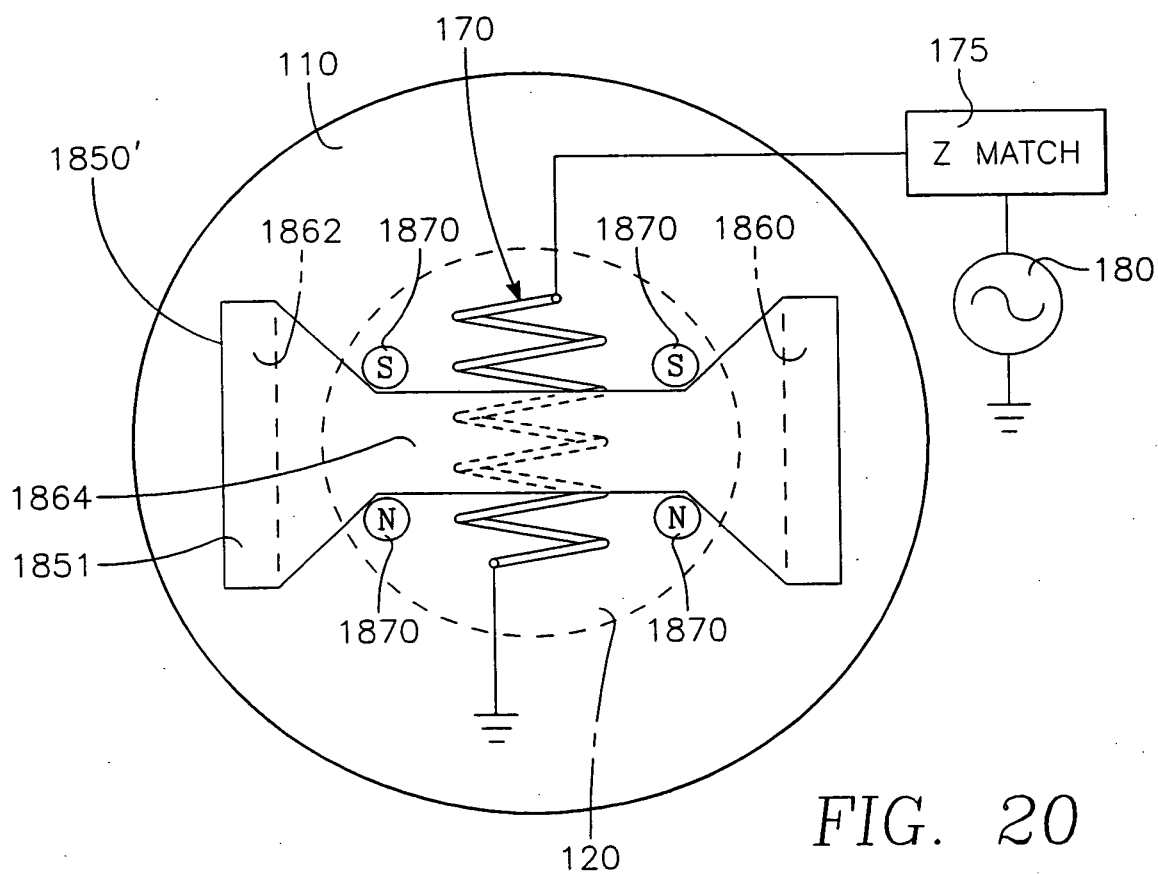
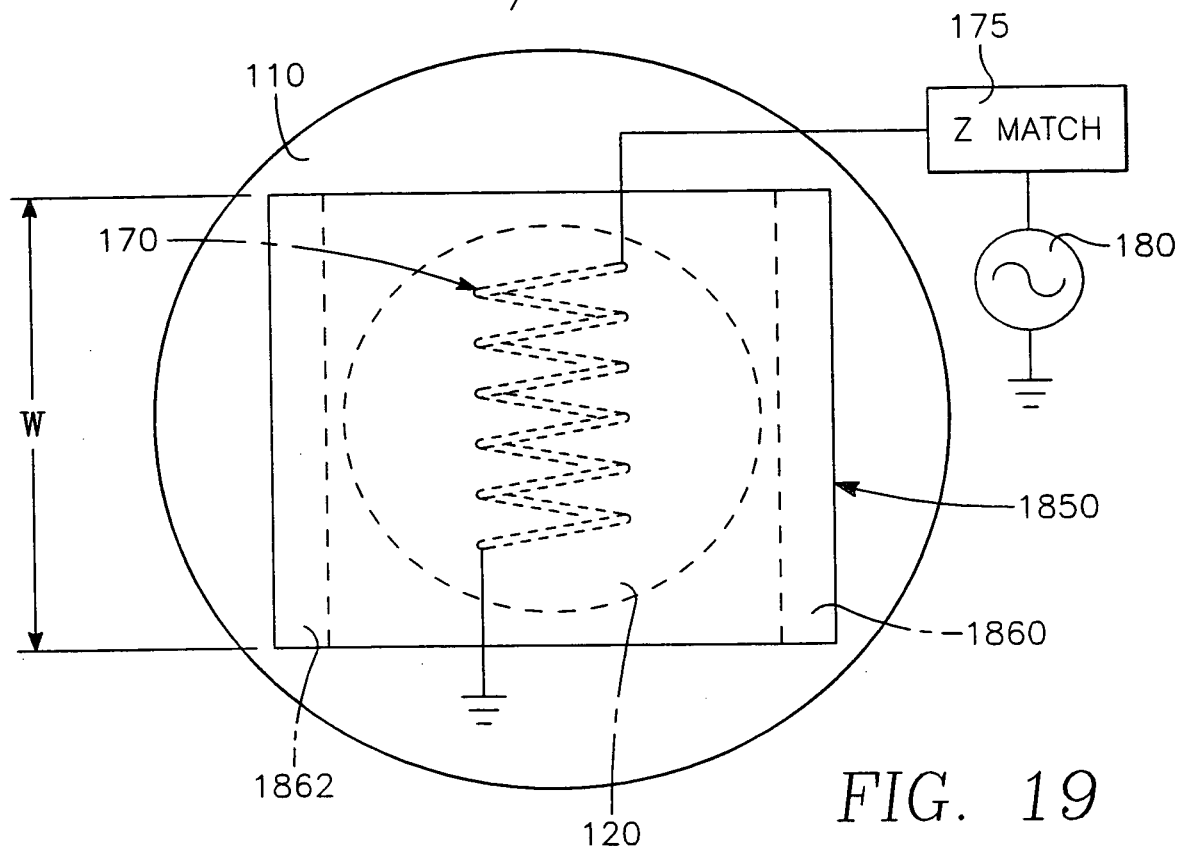


FIG. 17B

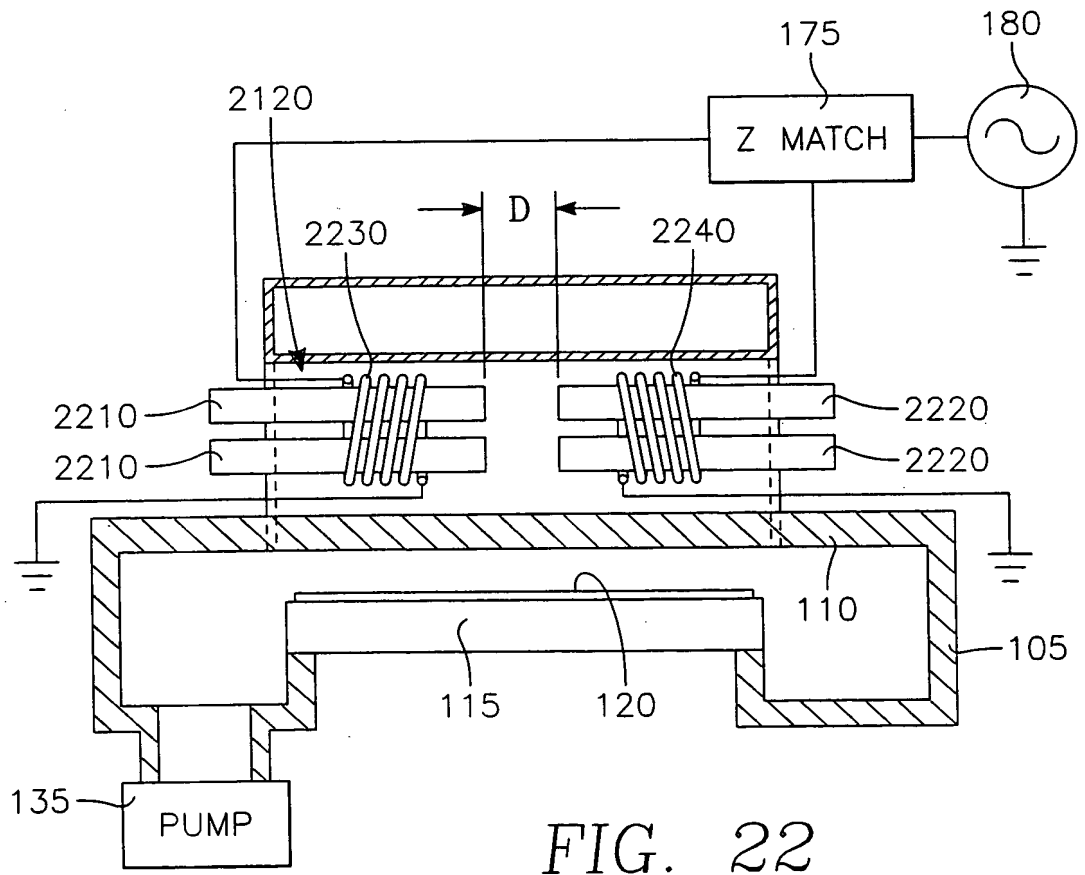
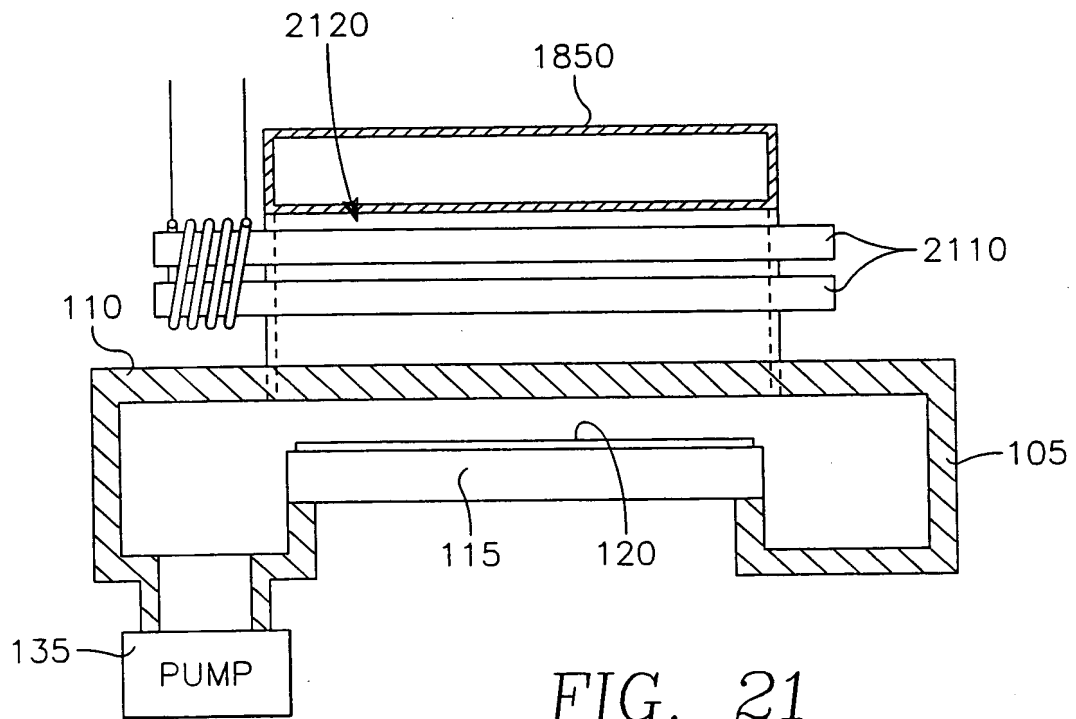


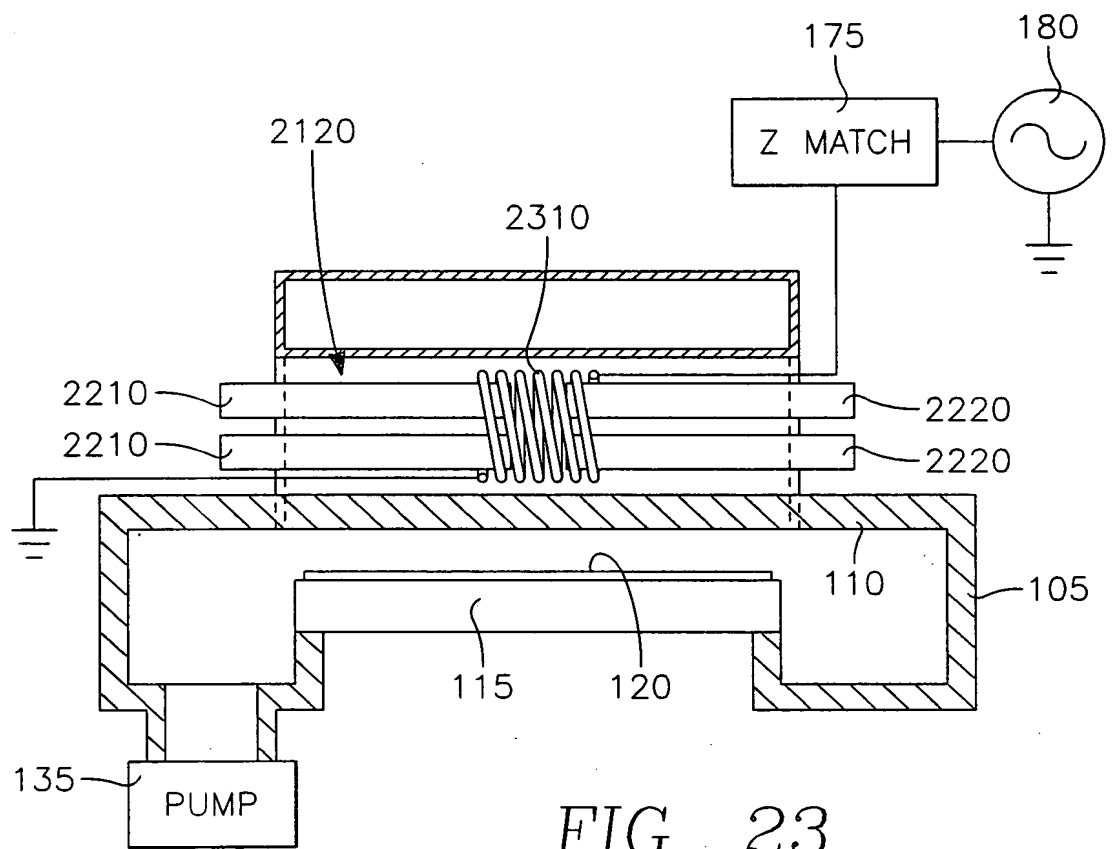
16/85





17/85





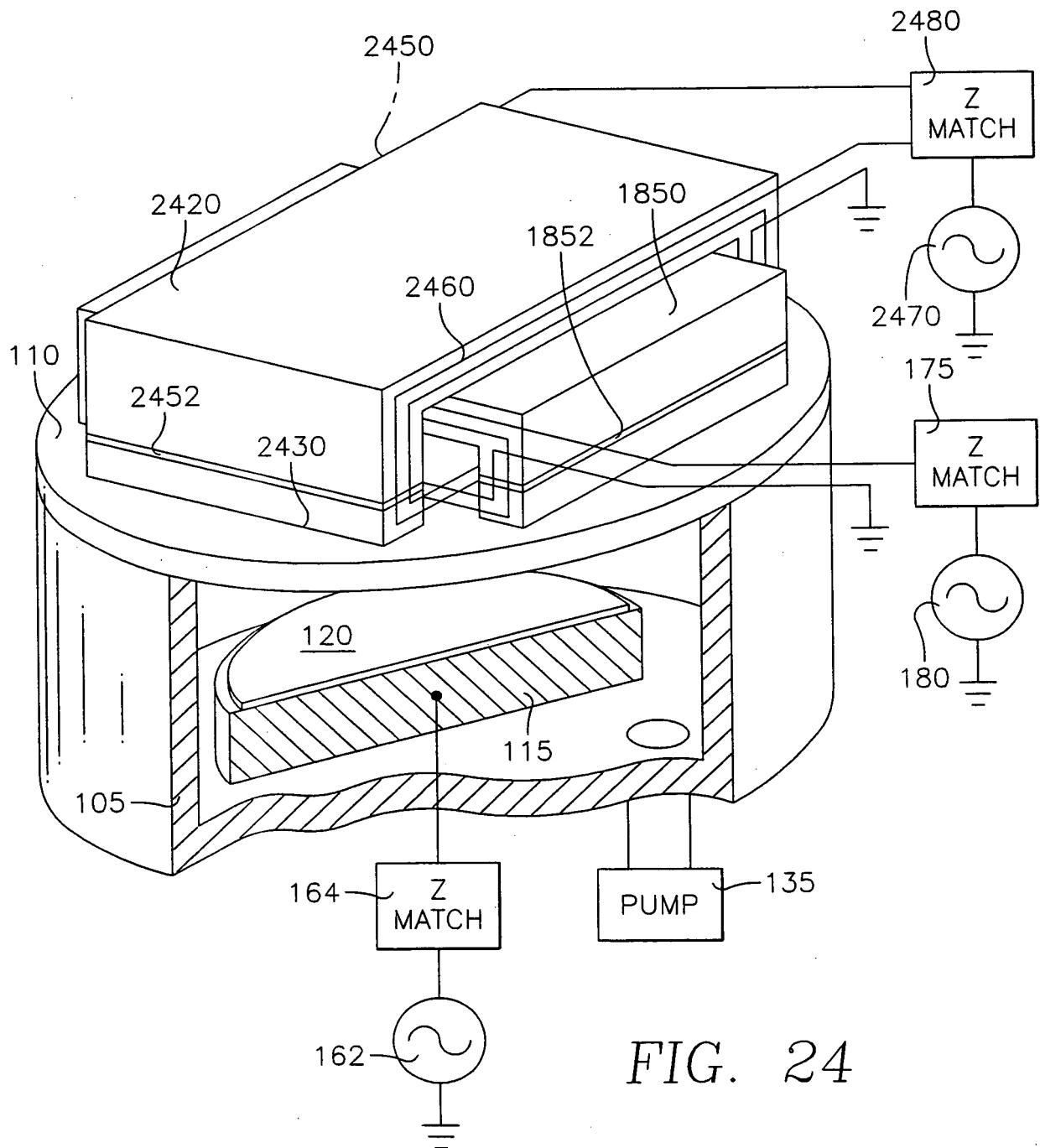


FIG. 24

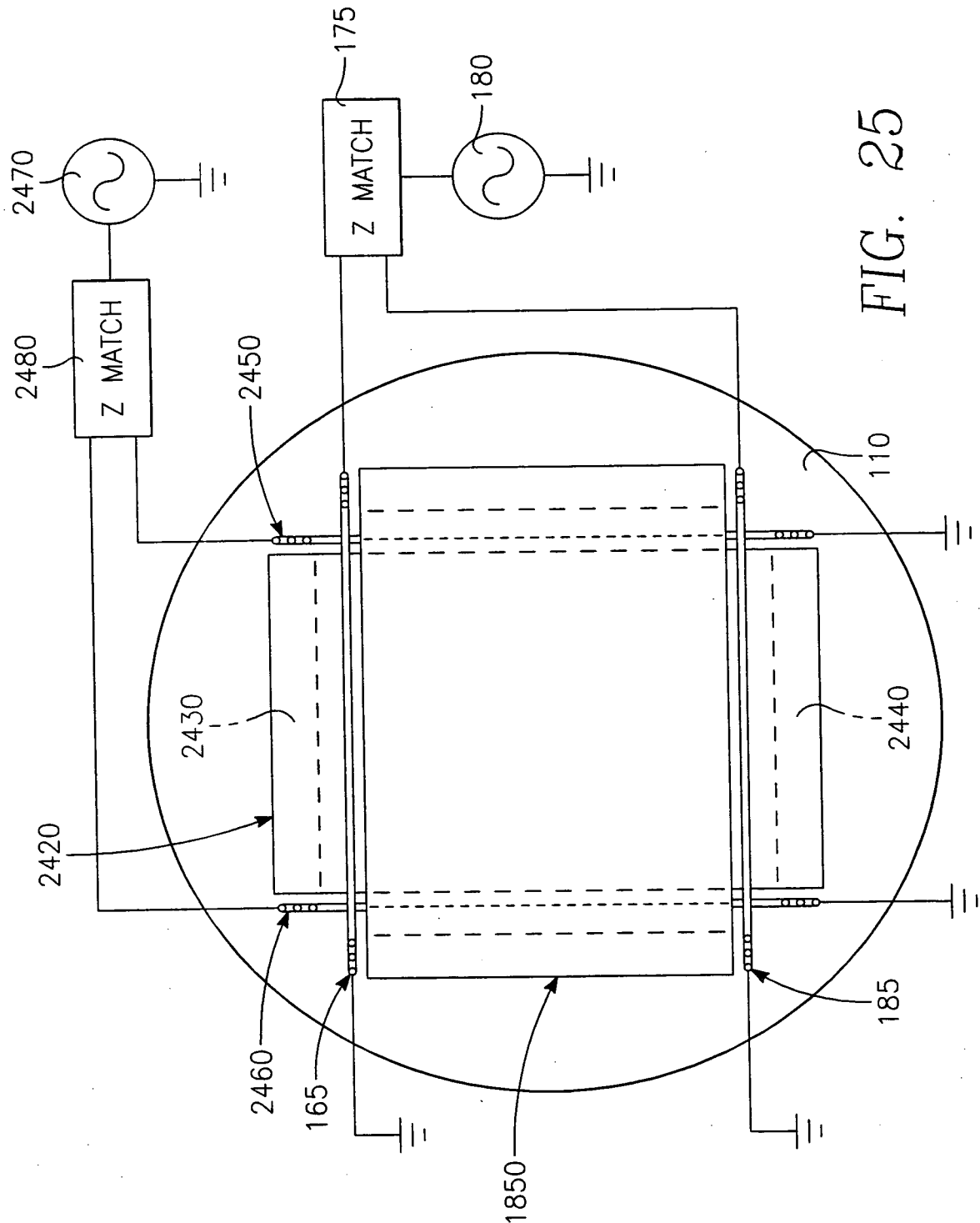
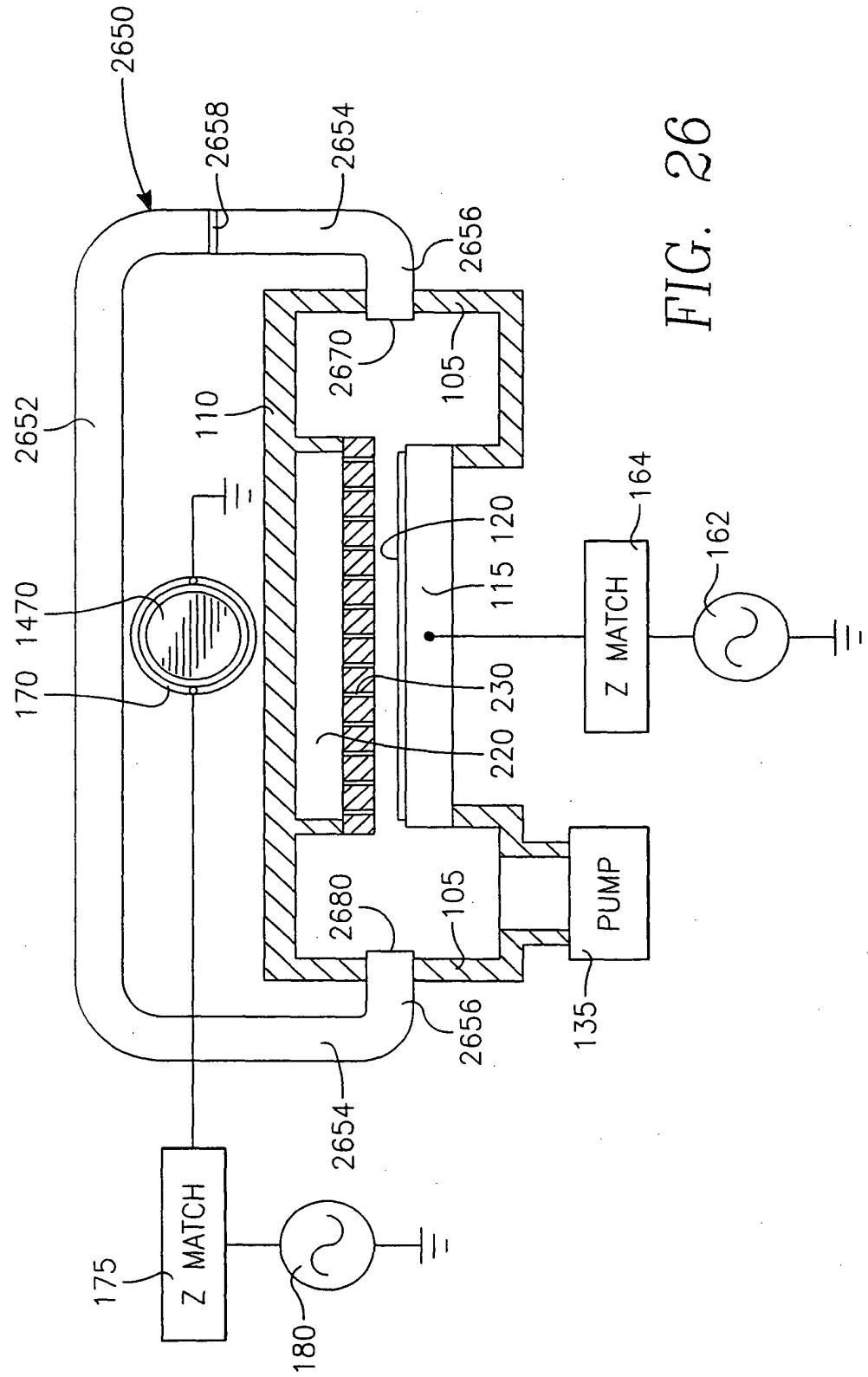


FIG. 25



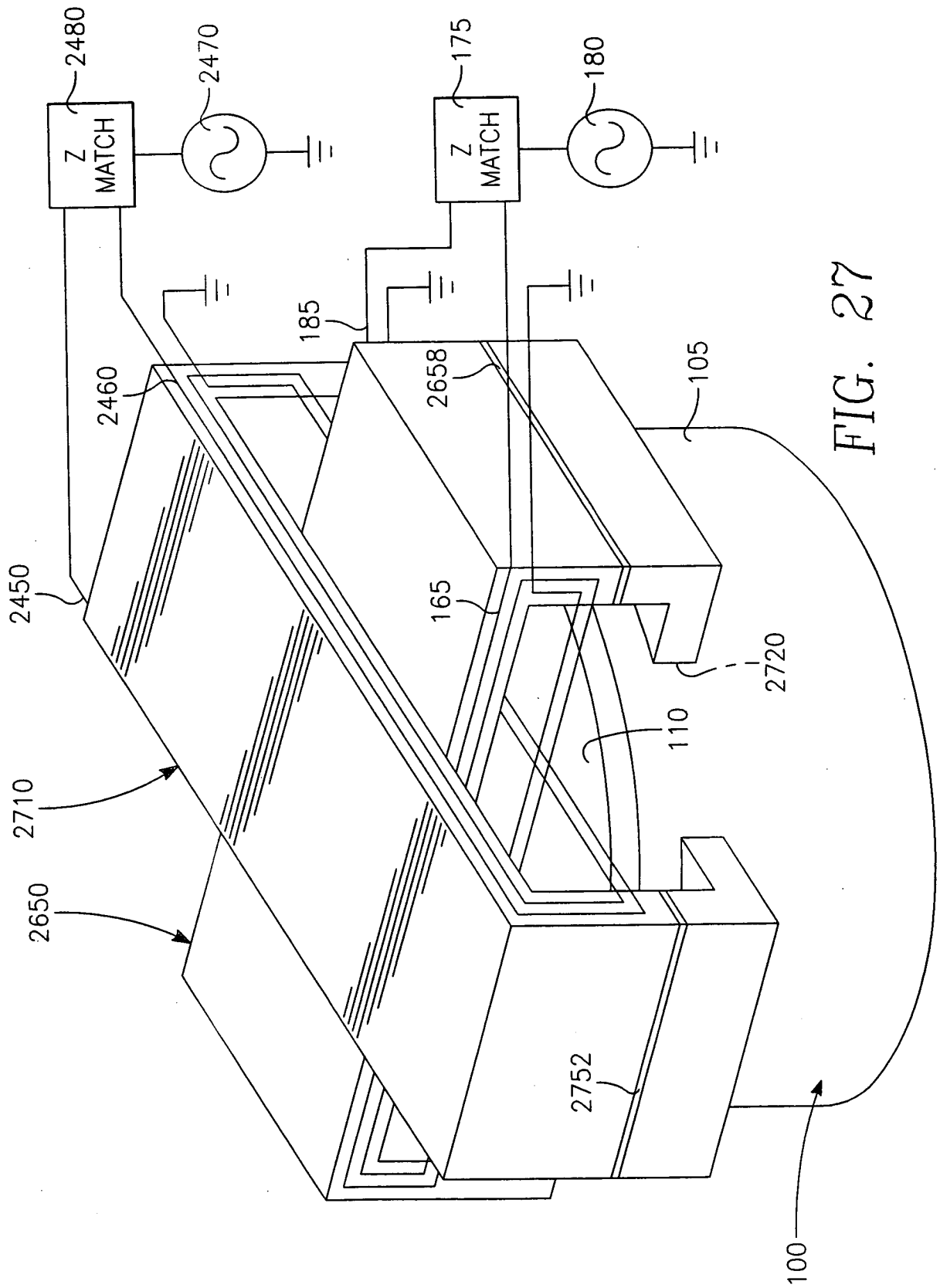


FIG. 27

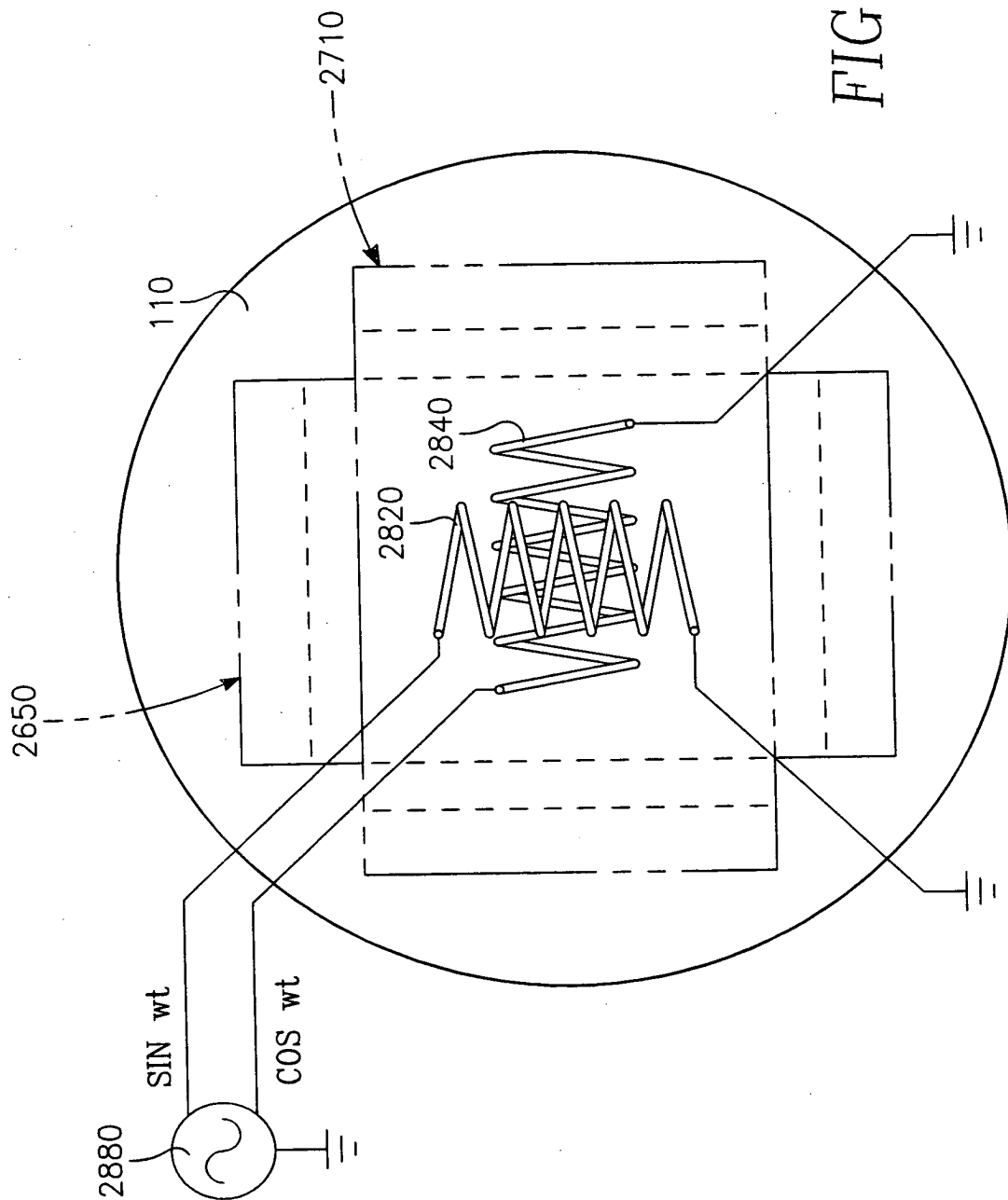


FIG. 28A

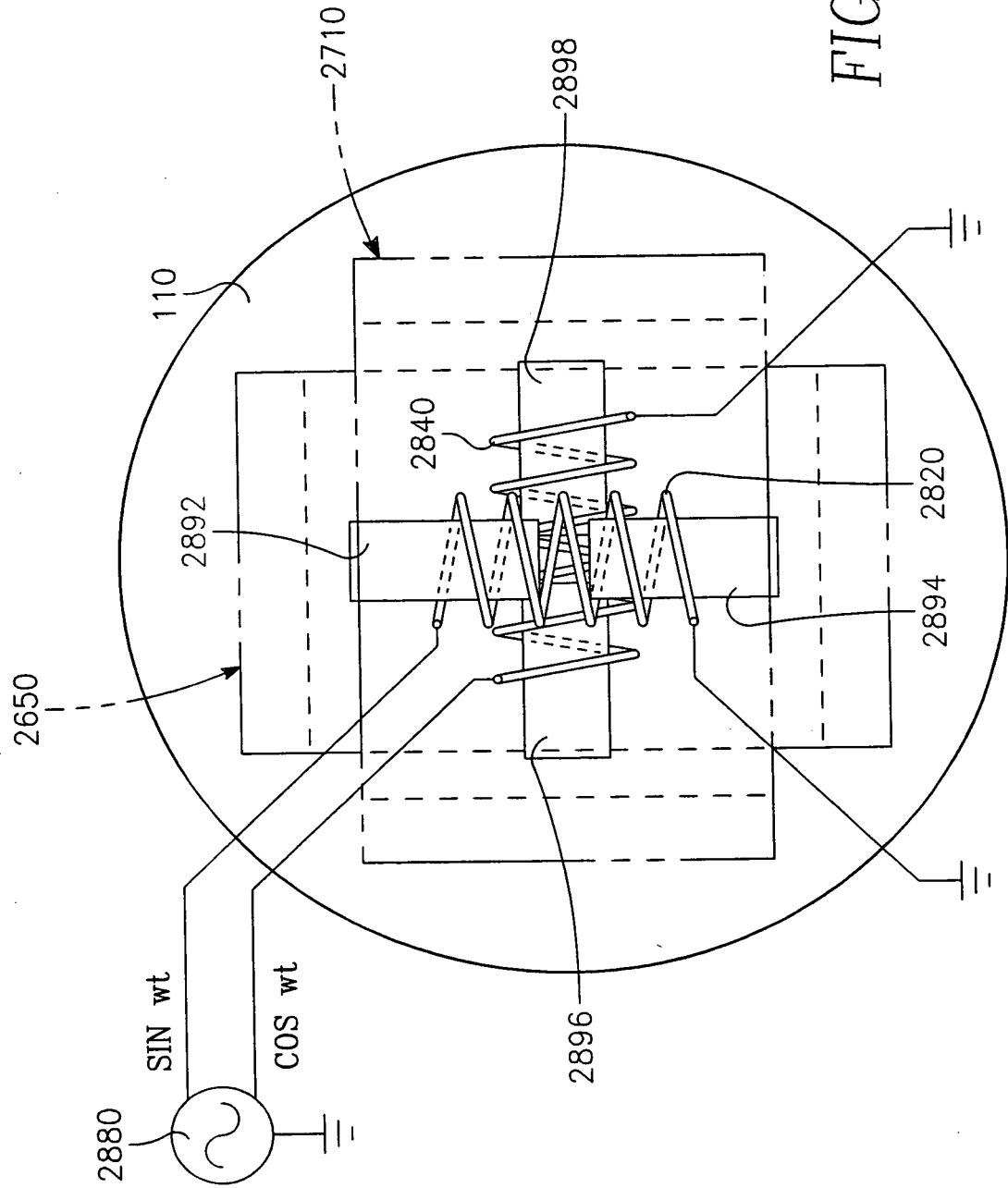
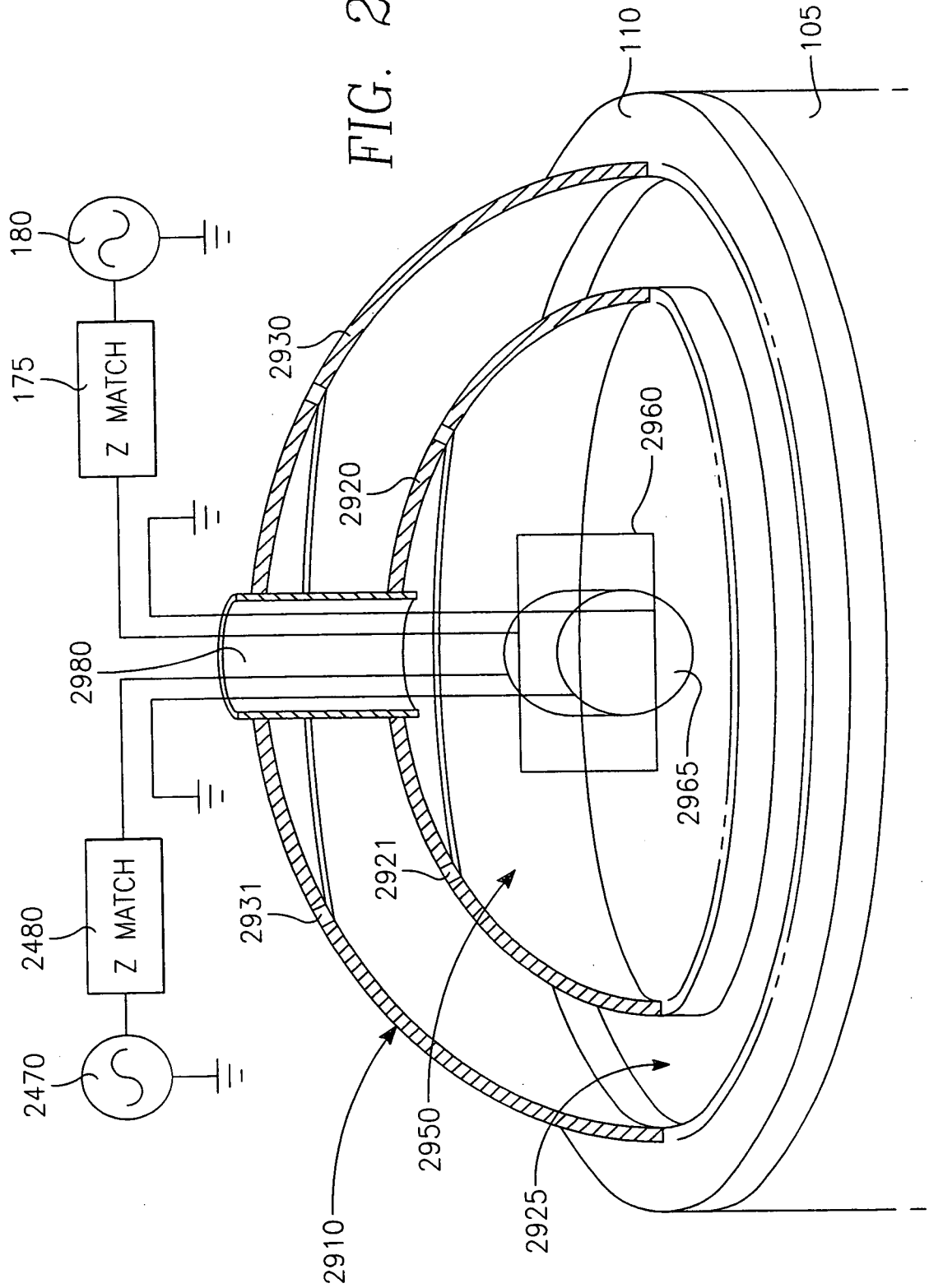


FIG. 28B



FIG. 29



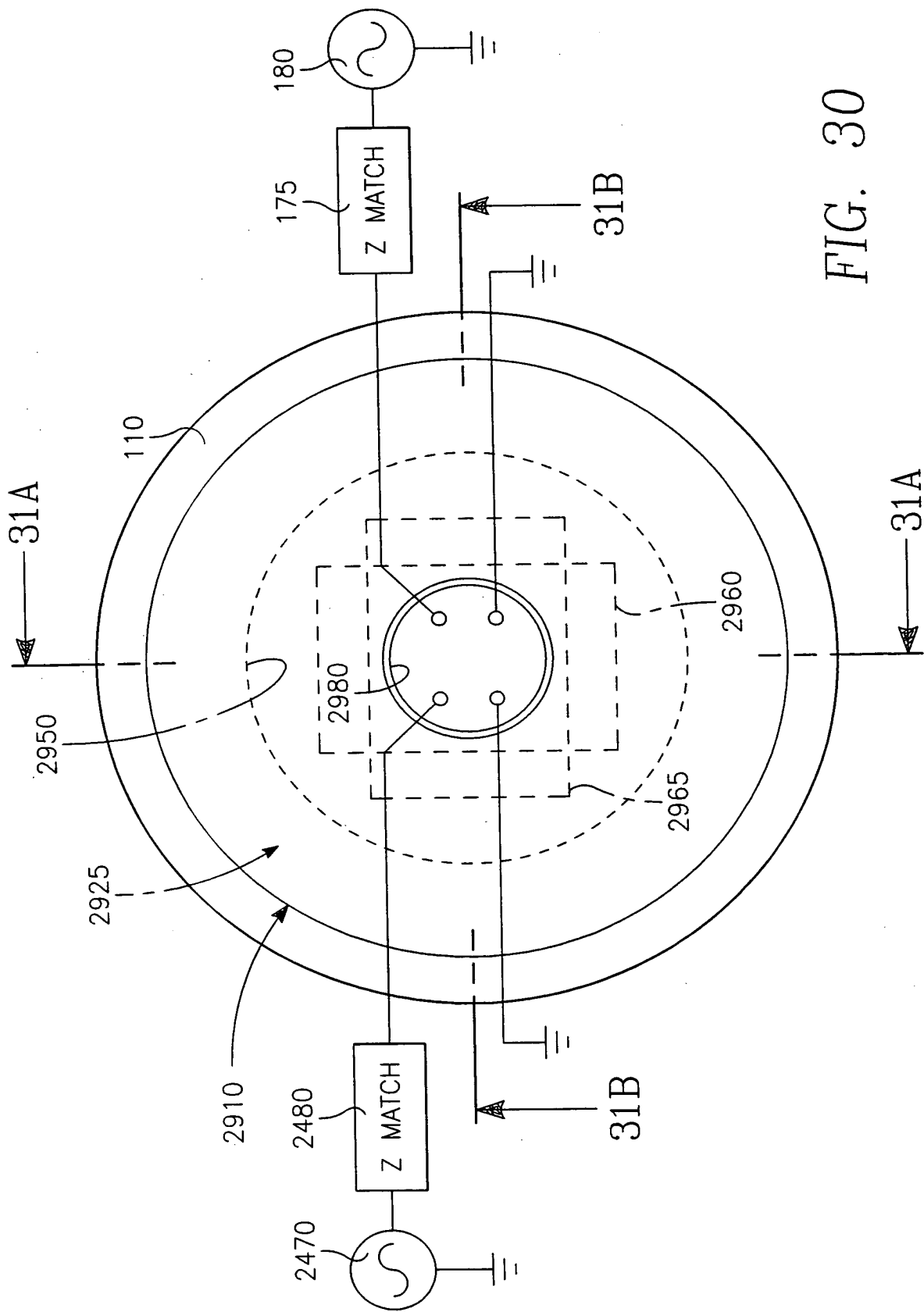


FIG. 30

27/85

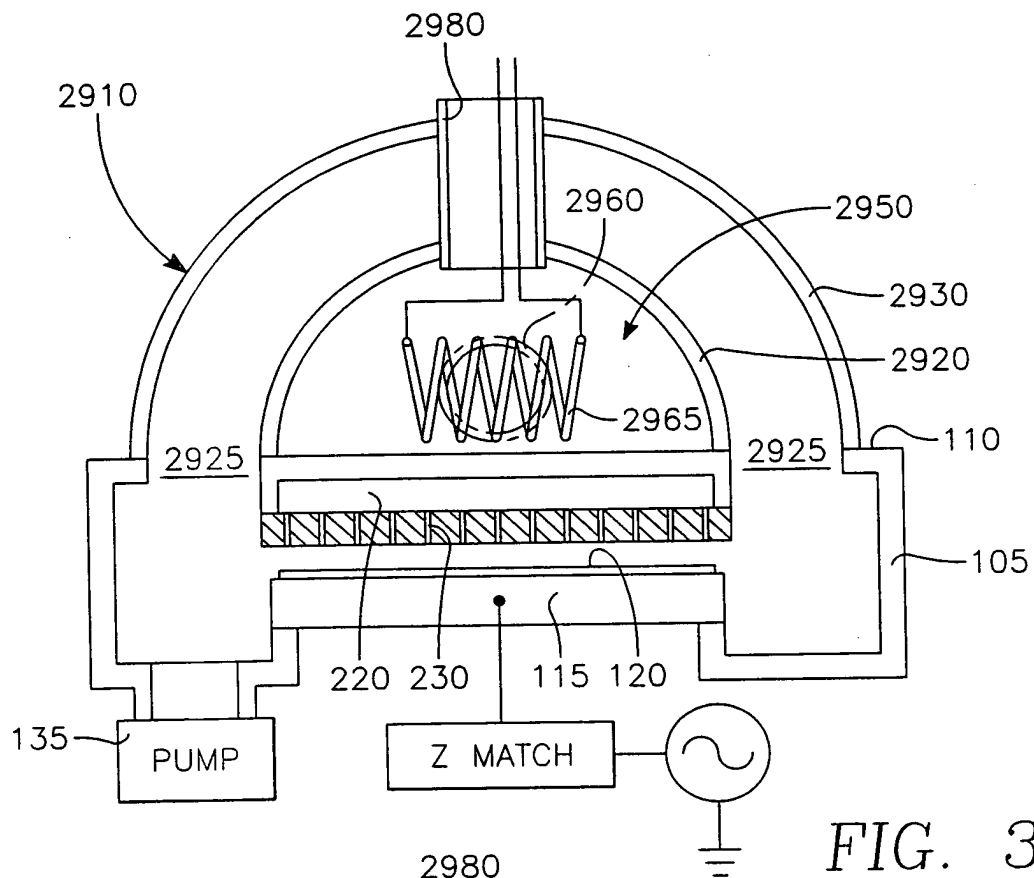


FIG. 31A

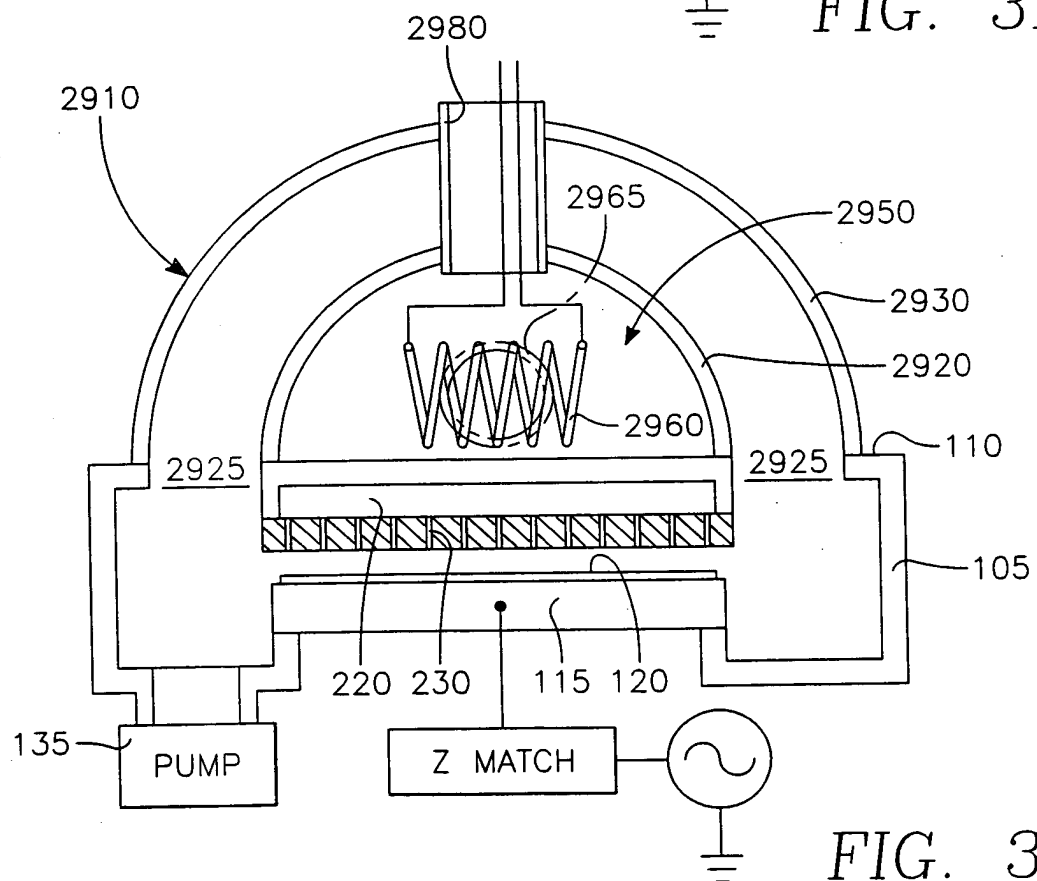


FIG. 31B

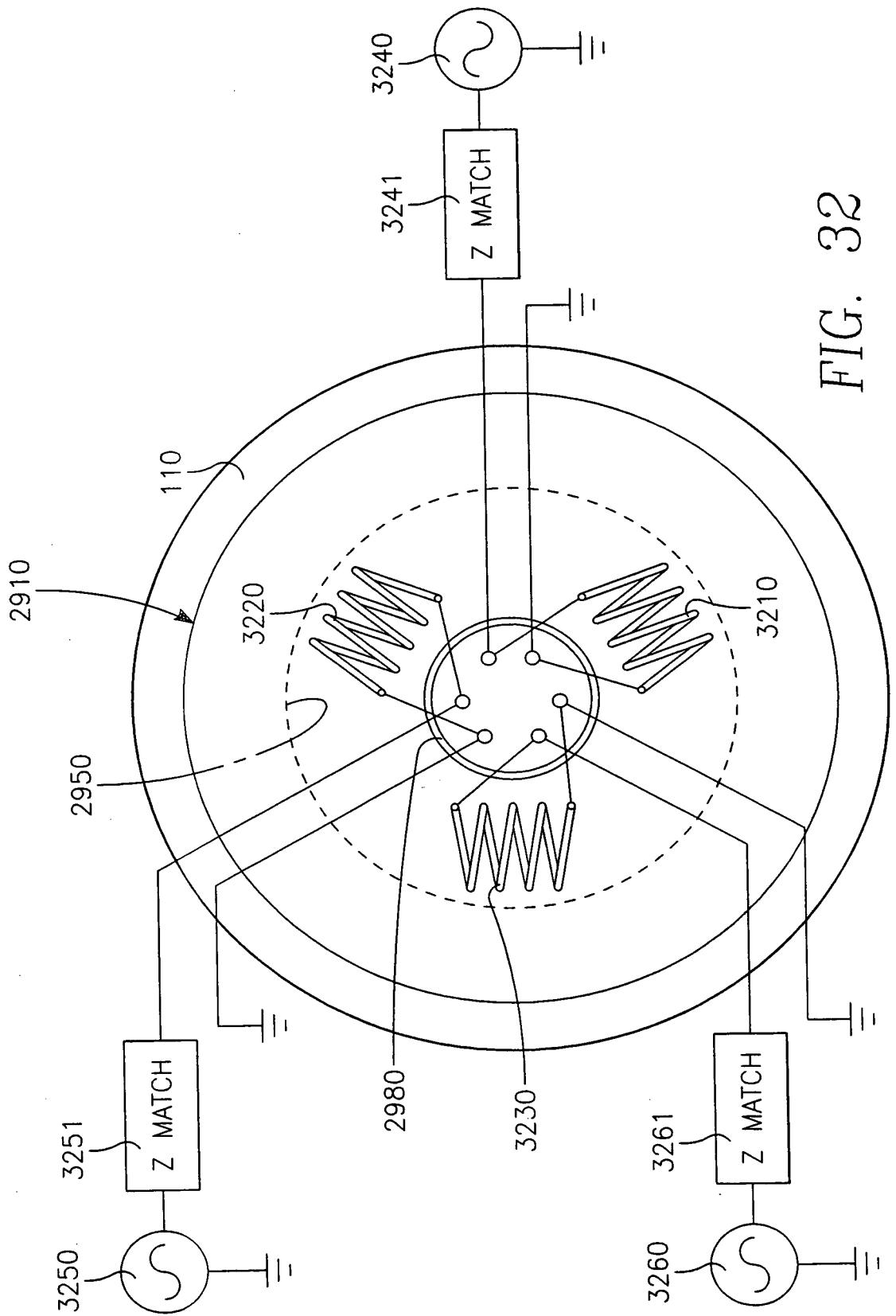


FIG. 32

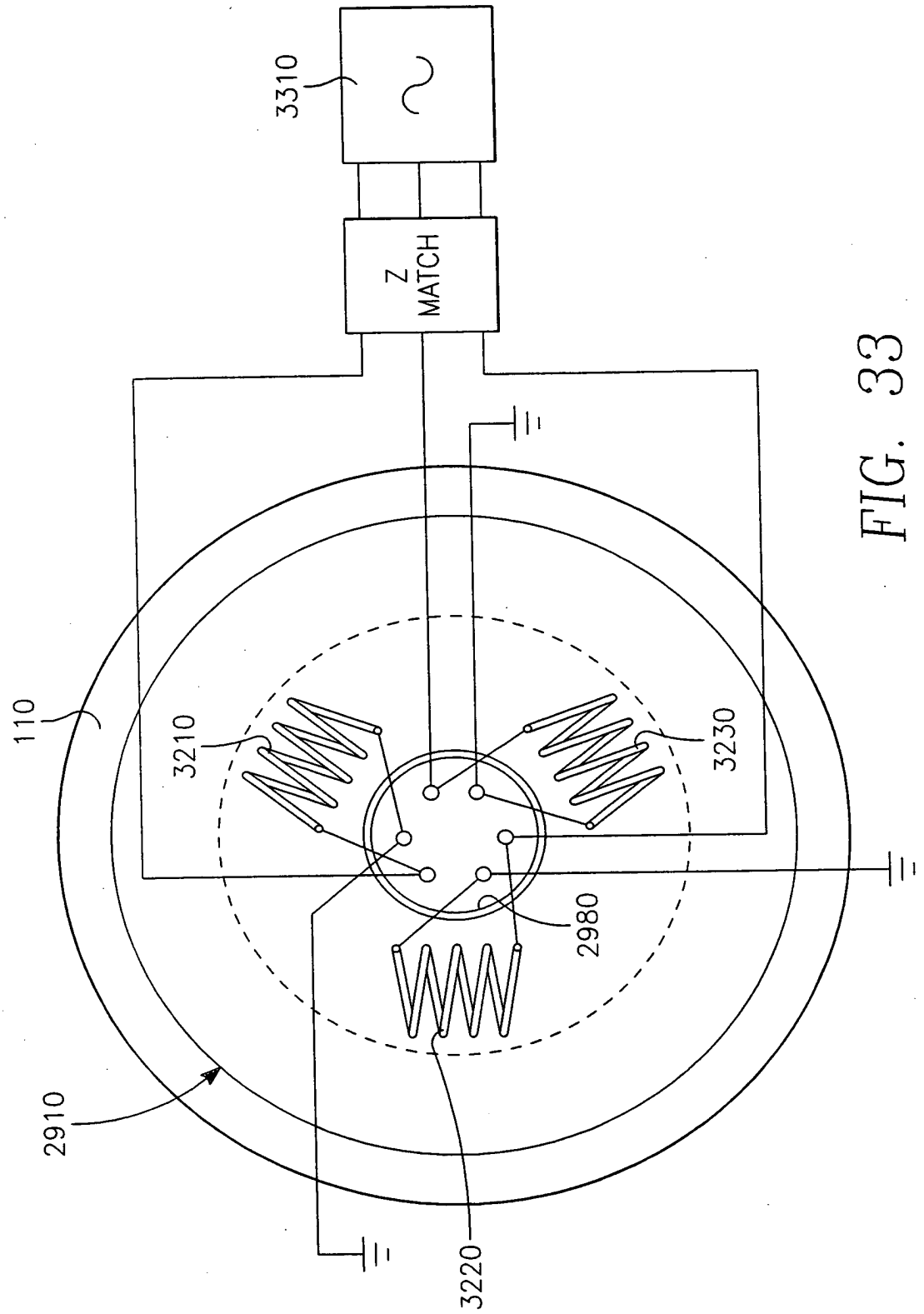
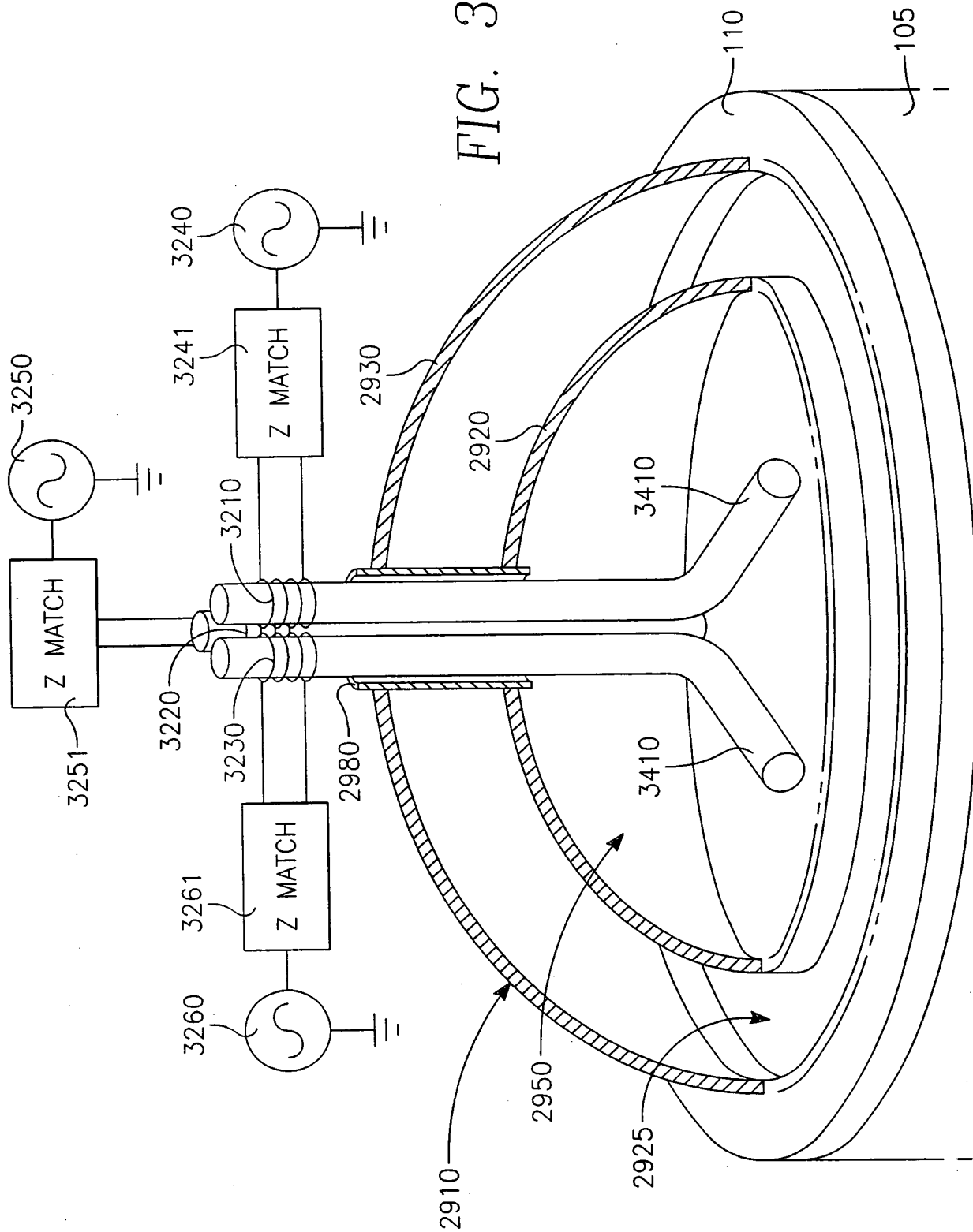


FIG. 33

FIG. 34



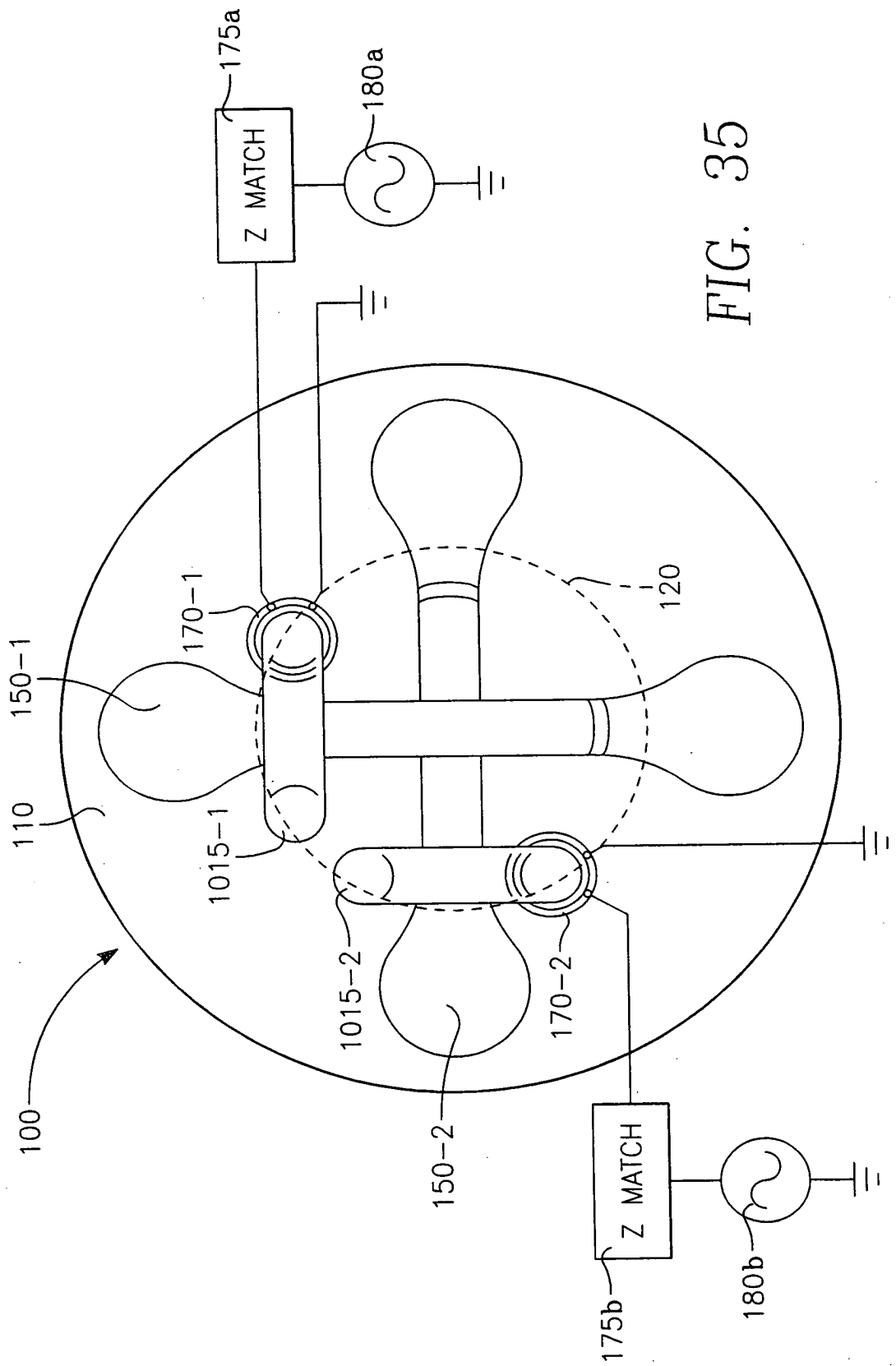


FIG. 35

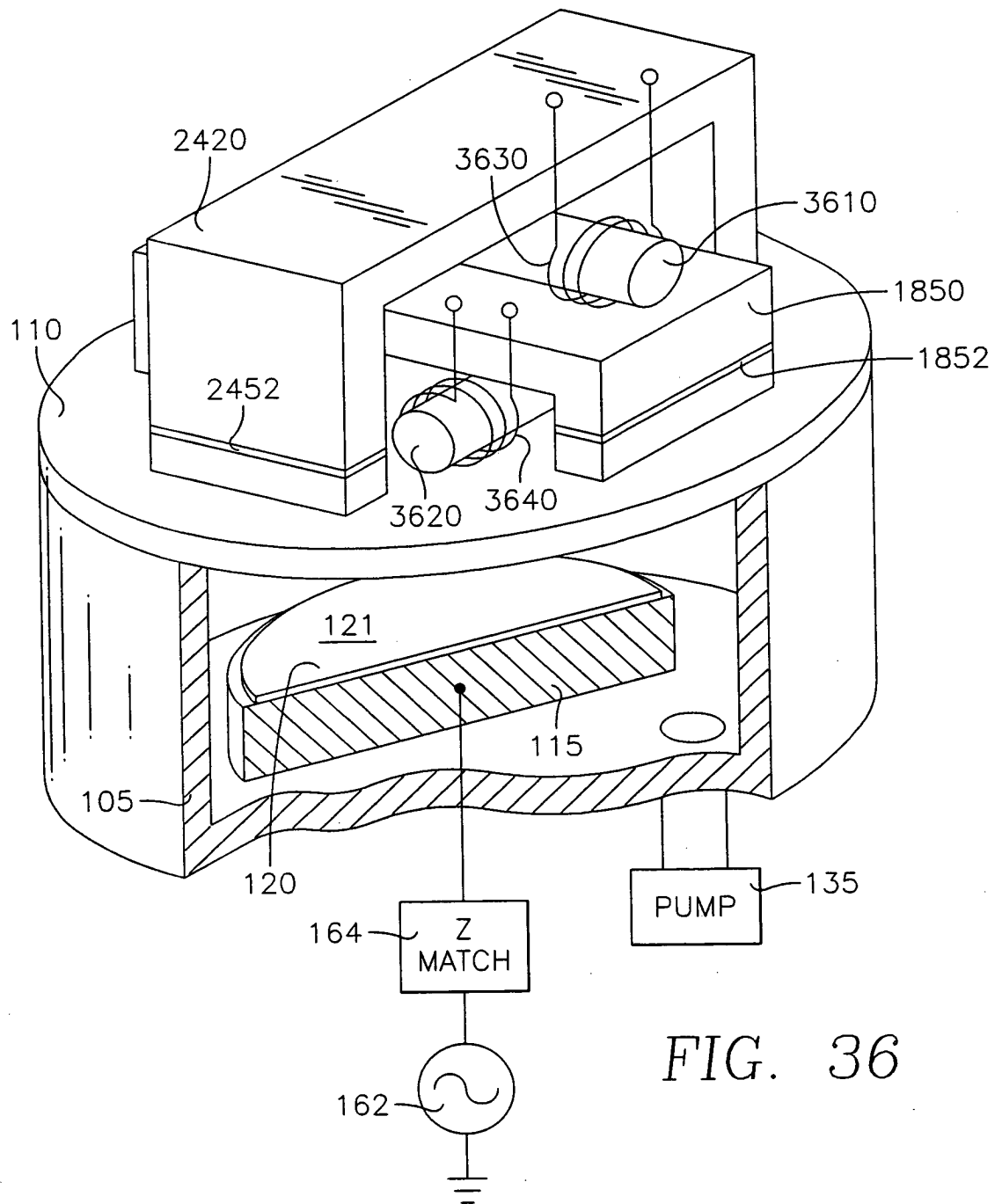


FIG. 36



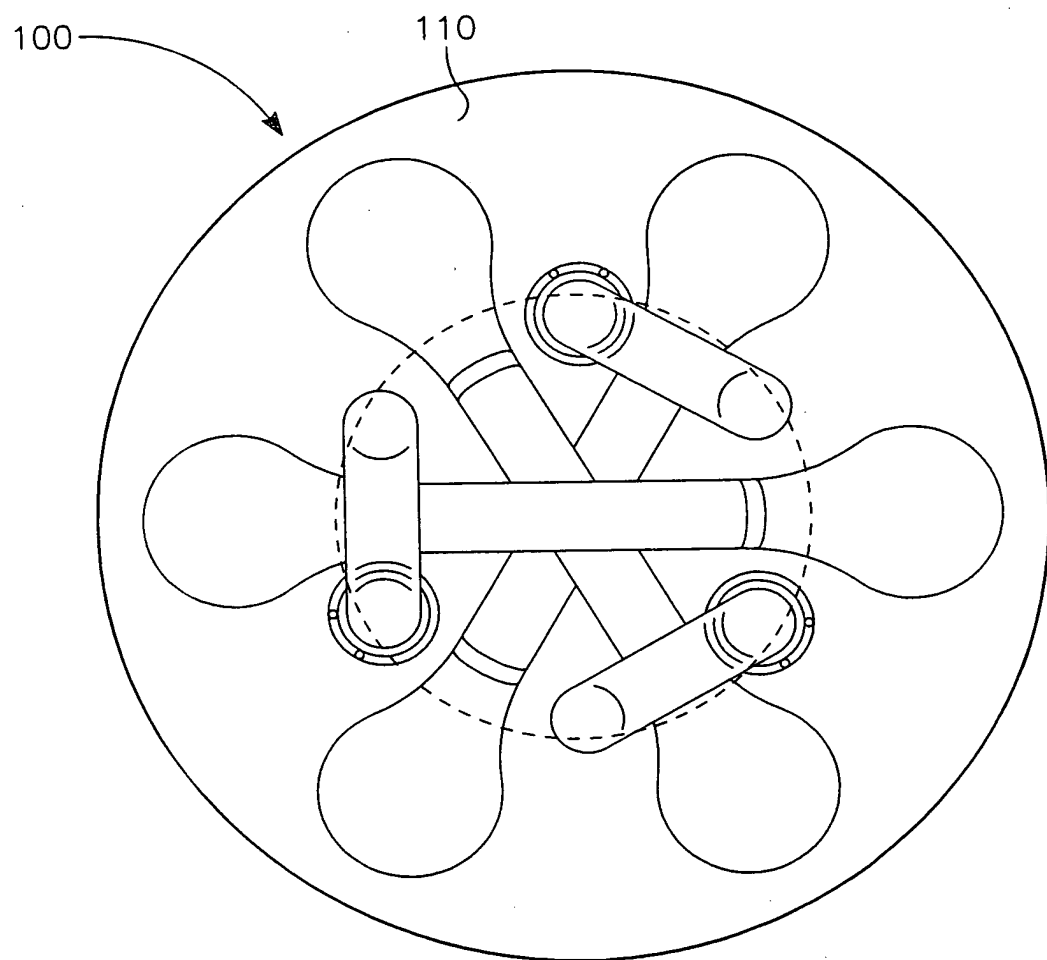


FIG. 37

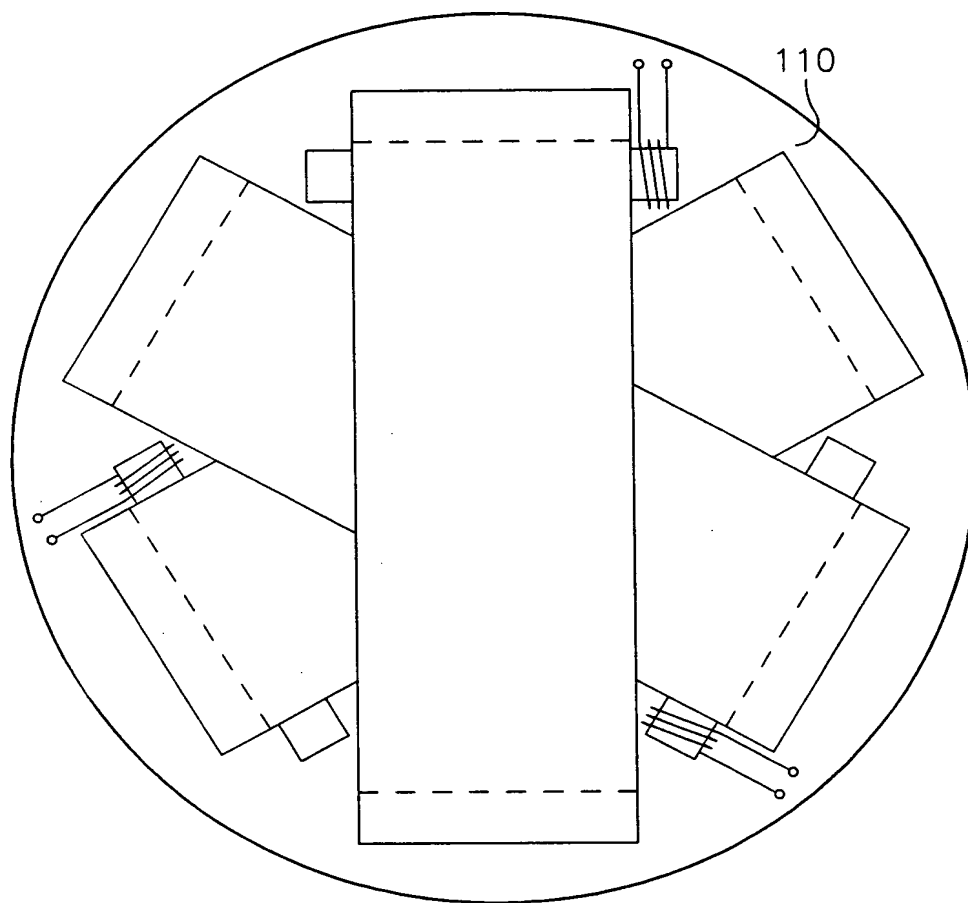


FIG. 38

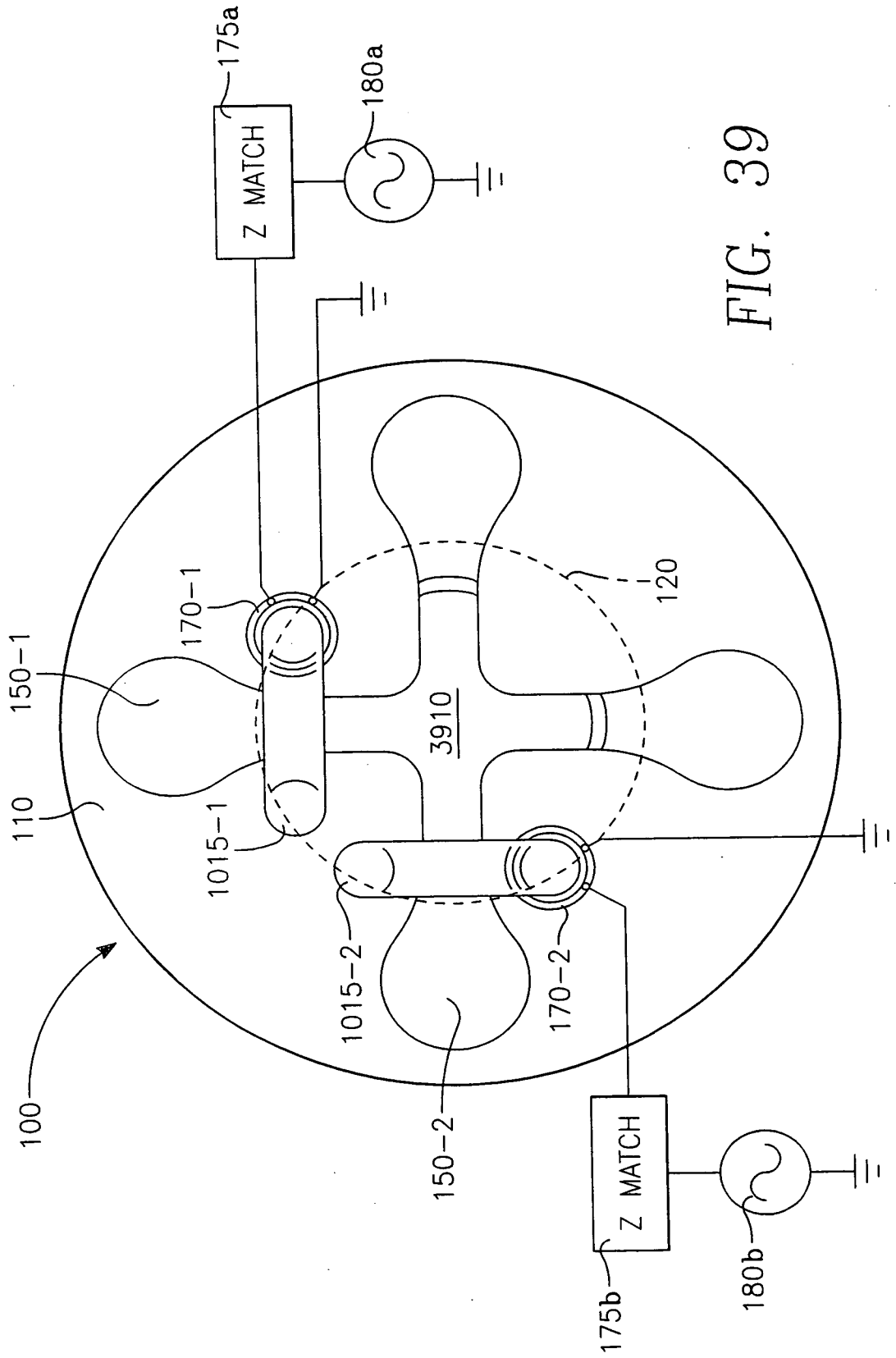


FIG. 39

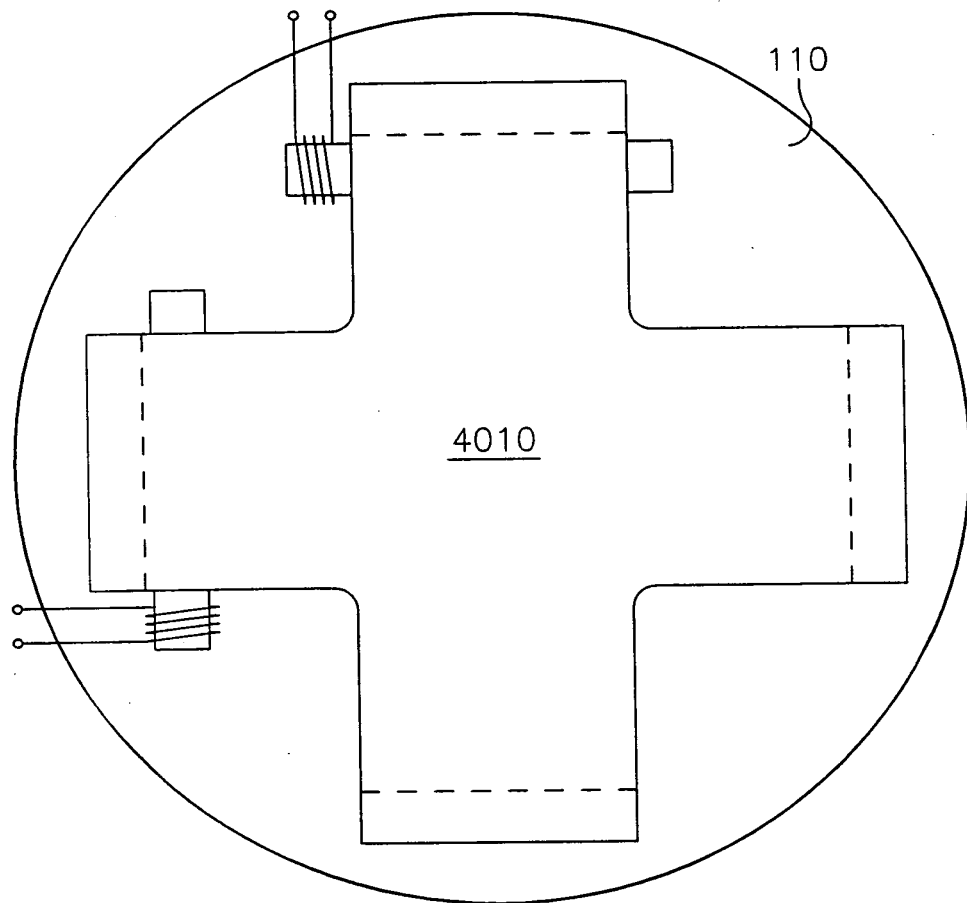


FIG. 40

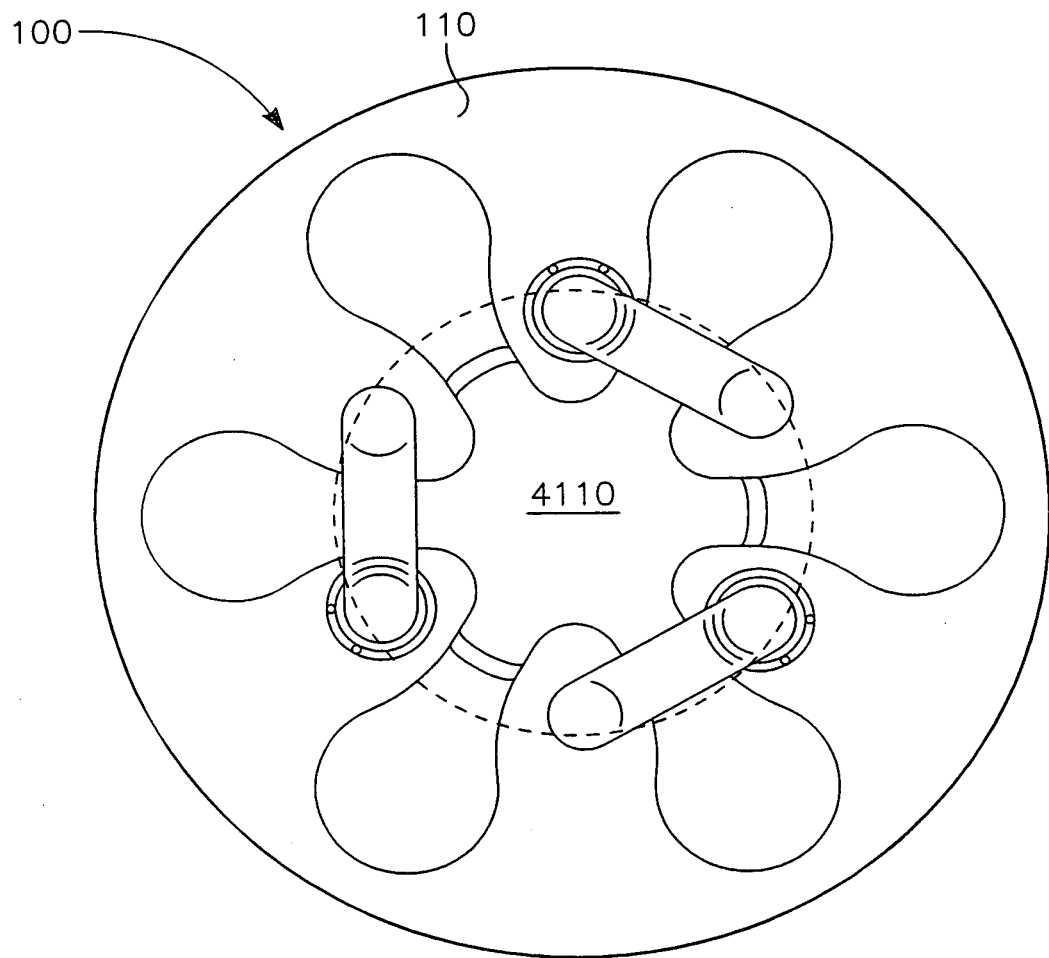


FIG. 41

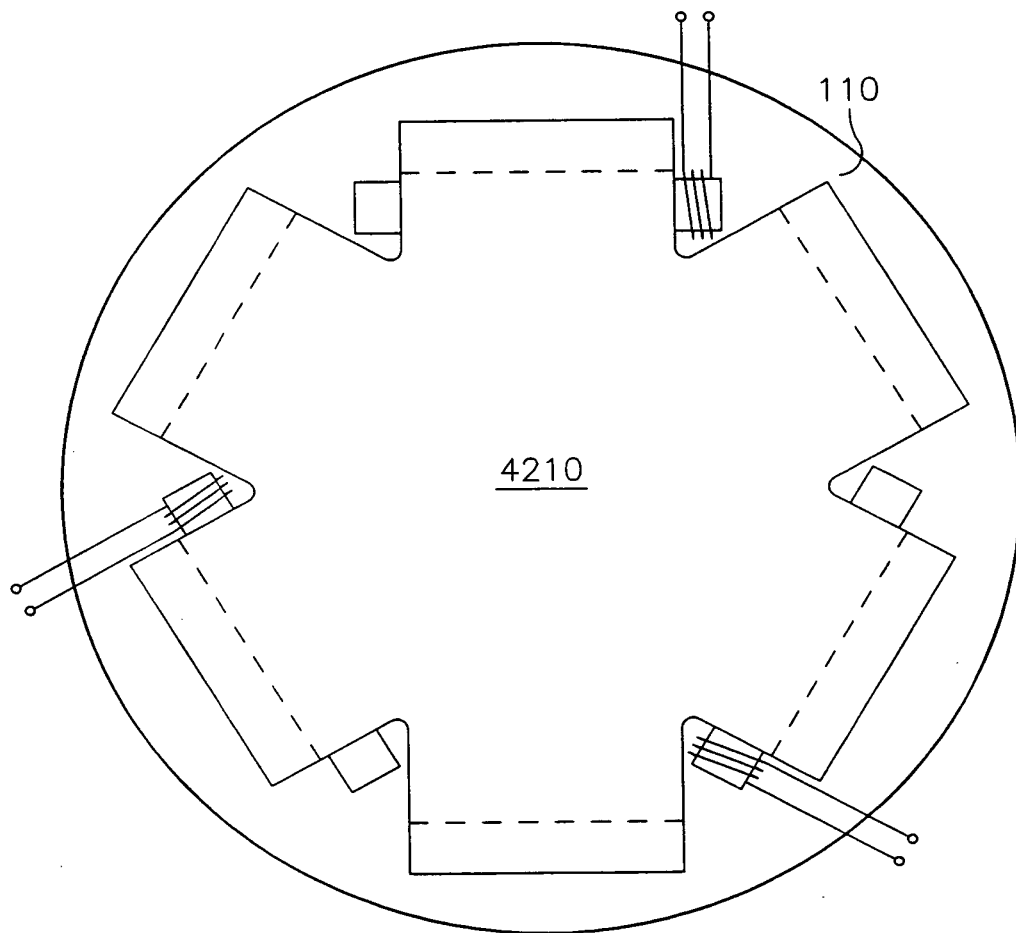


FIG. 42

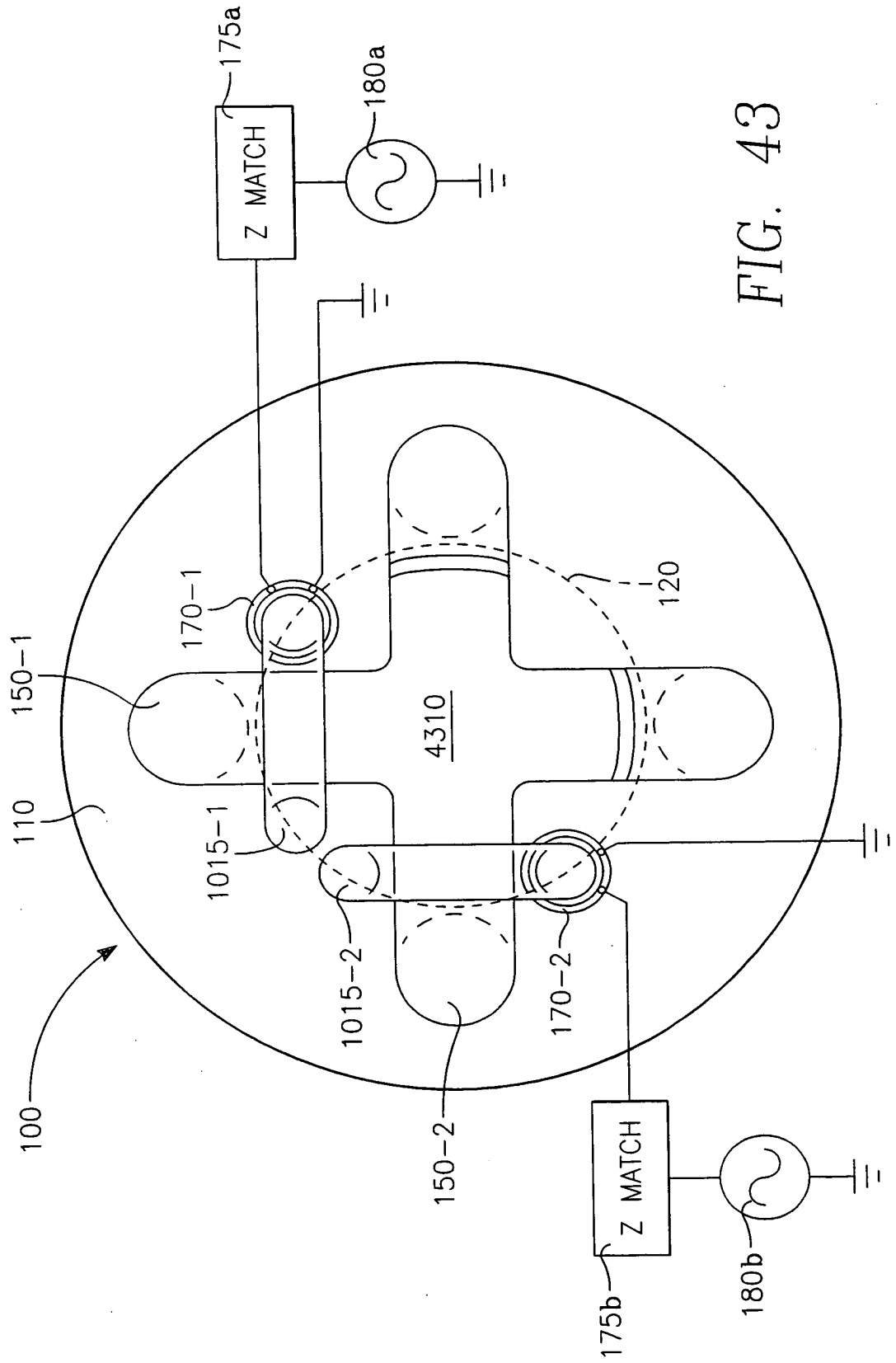


FIG. 43

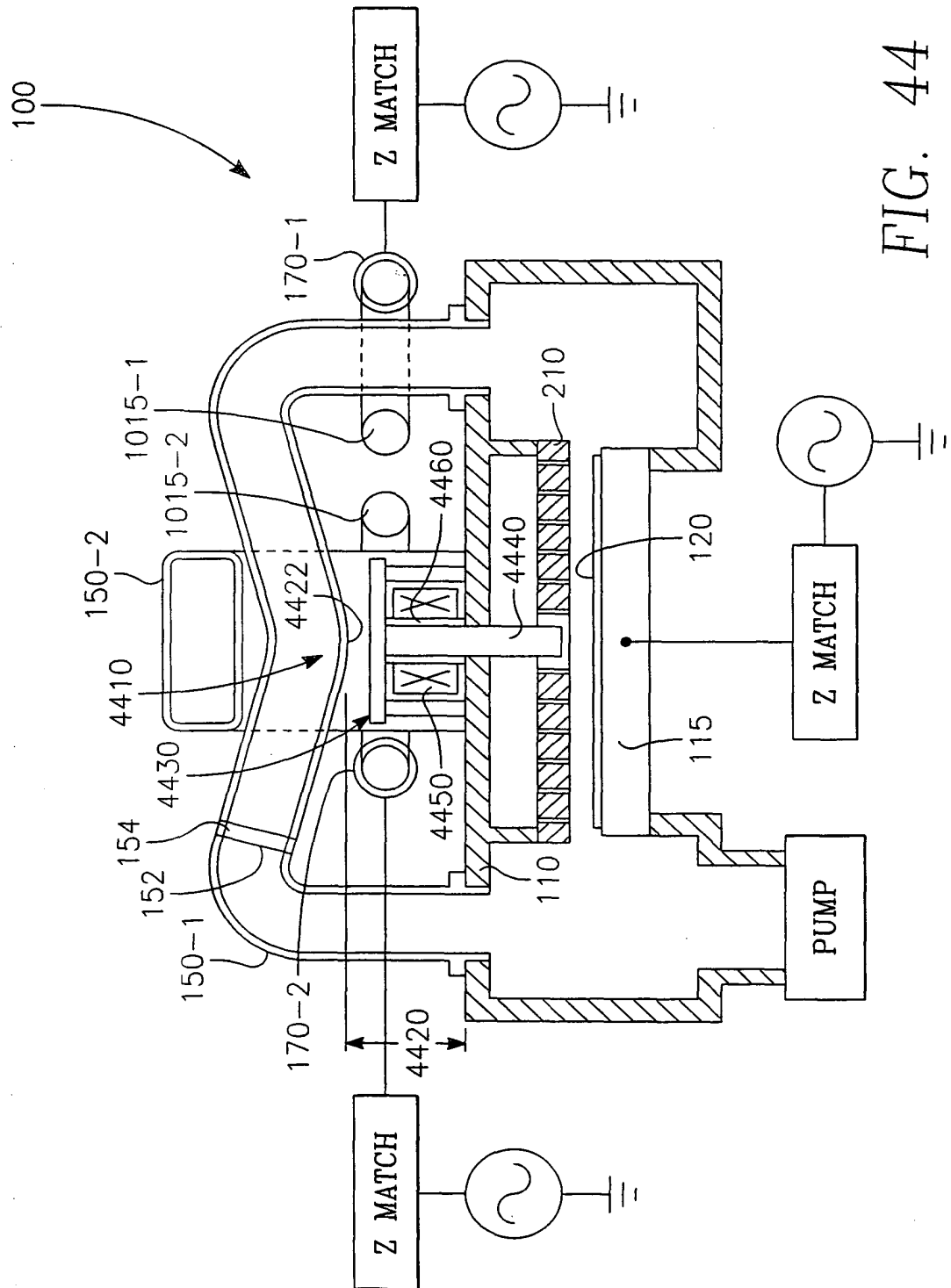


FIG. 44



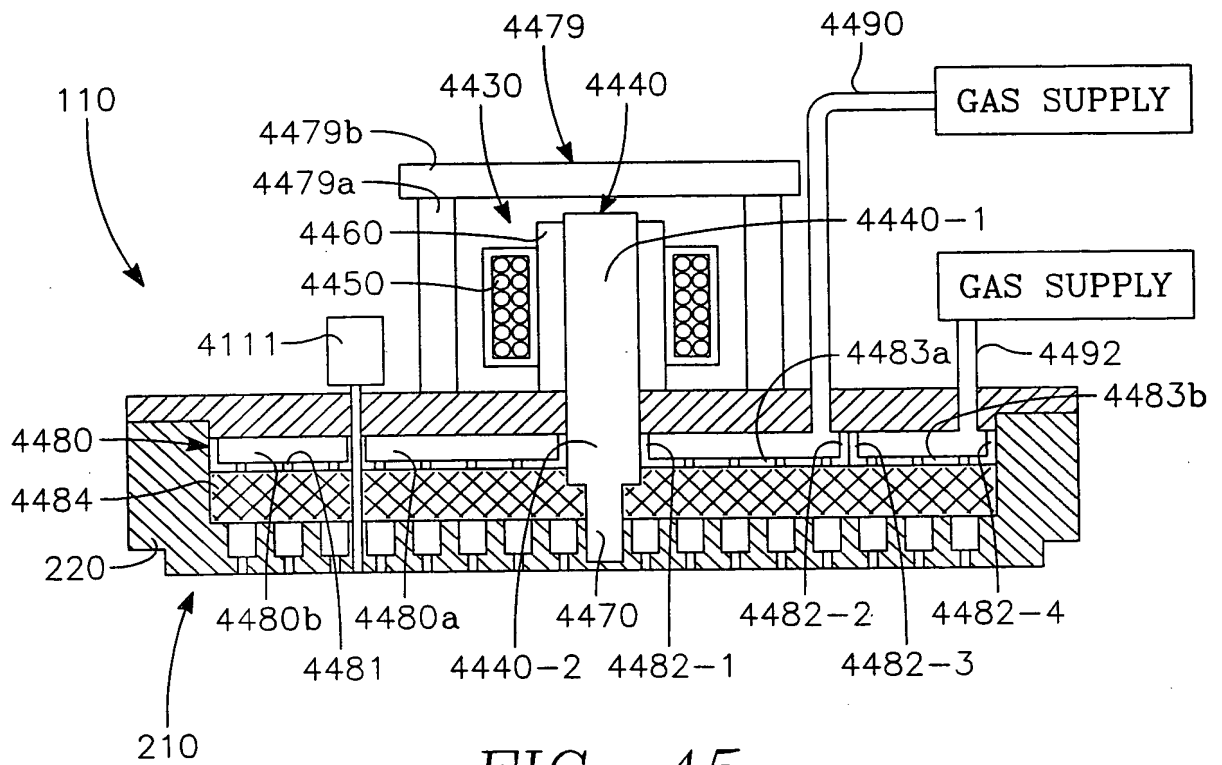


FIG. 45

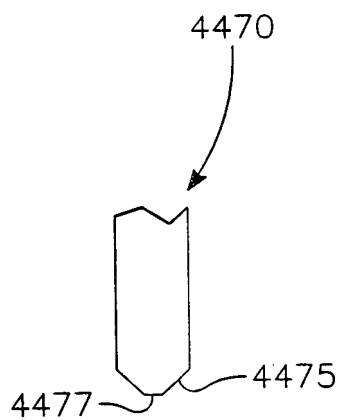


FIG. 46

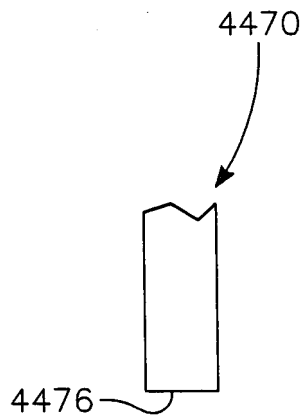


FIG. 47

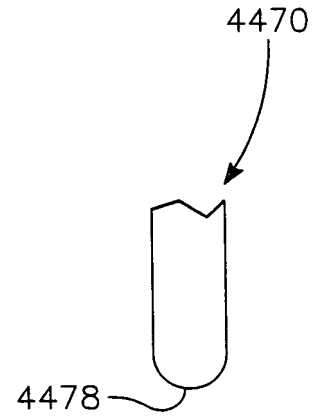


FIG. 48

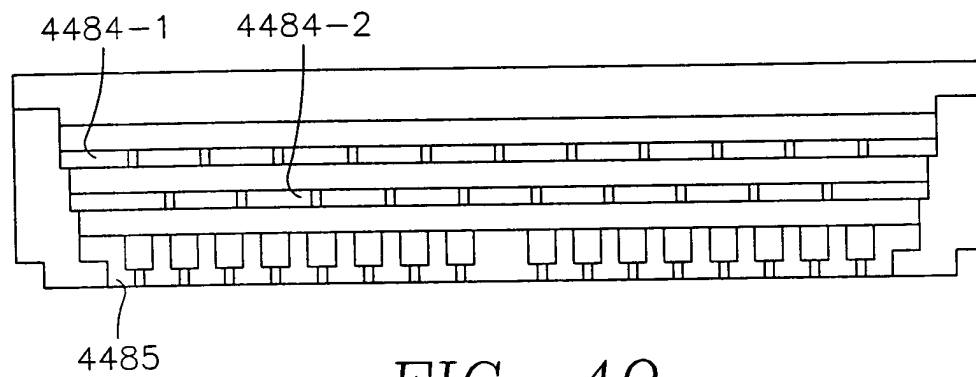


FIG. 49

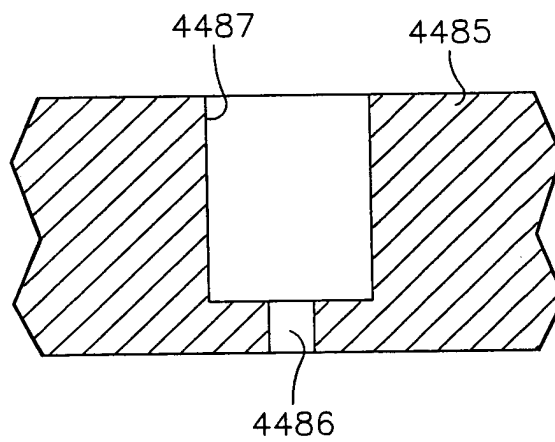


FIG. 50

43/85

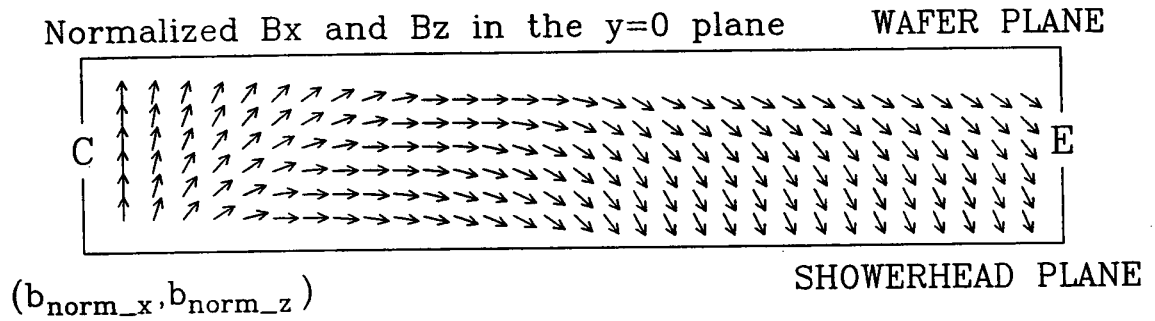


FIG. 51

□ Br measured=7 gauss at wafer plane, 1in. off-center (peak)

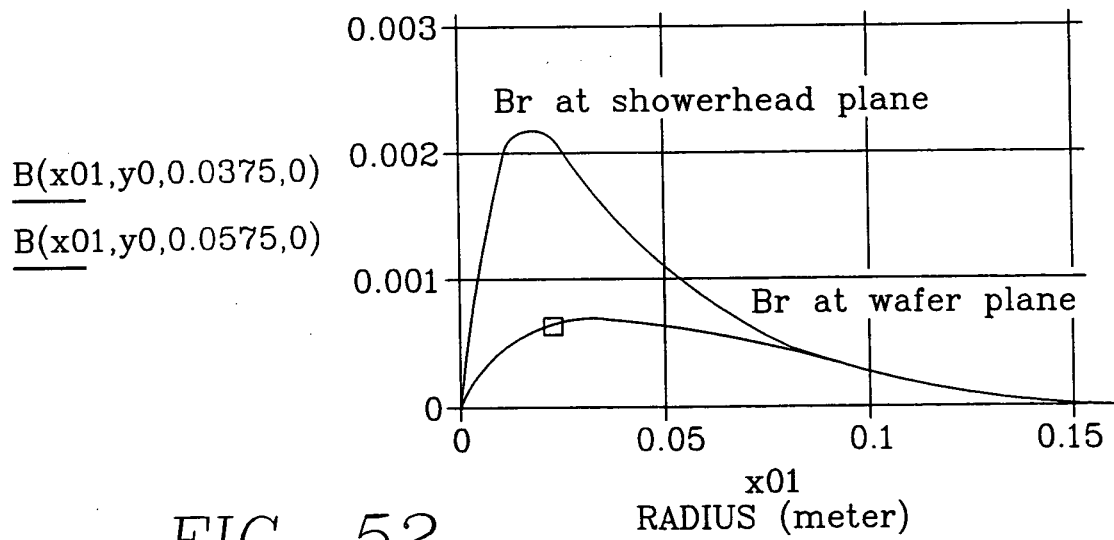


FIG. 52

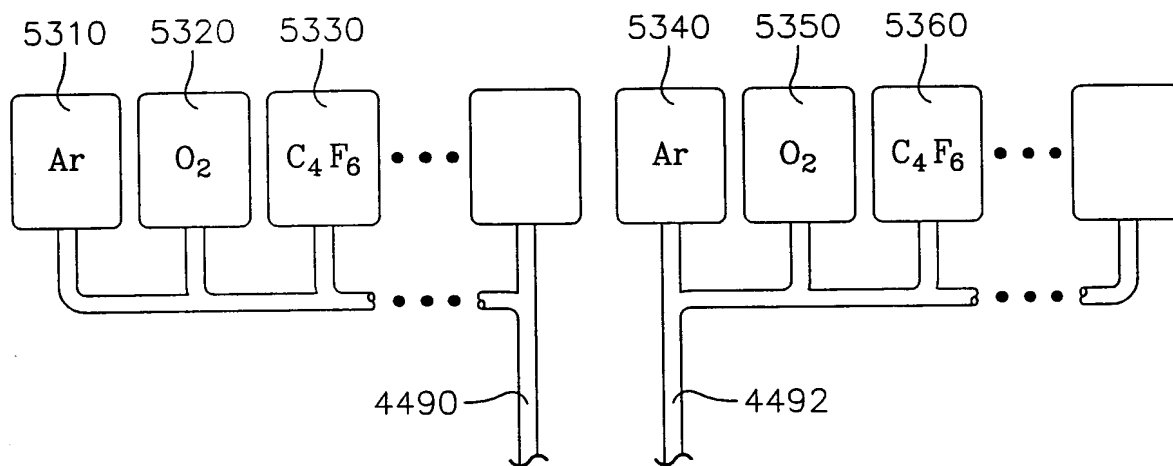


FIG. 53

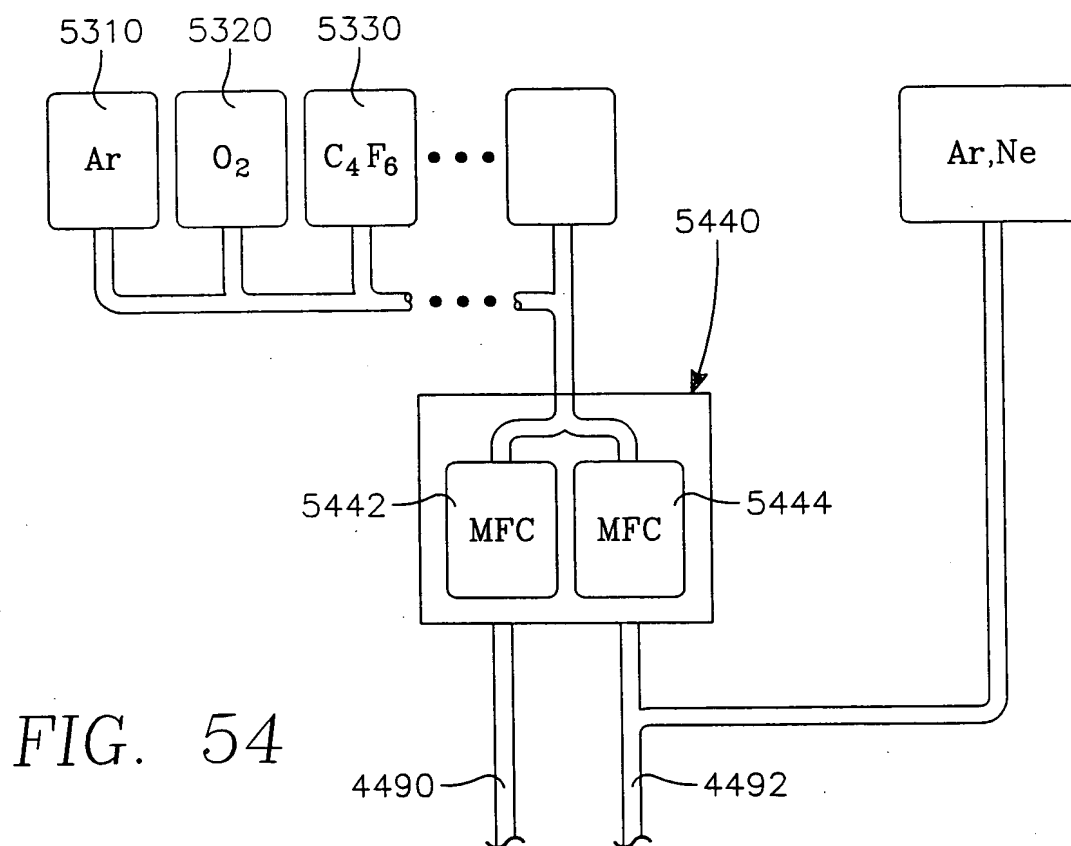


FIG. 54

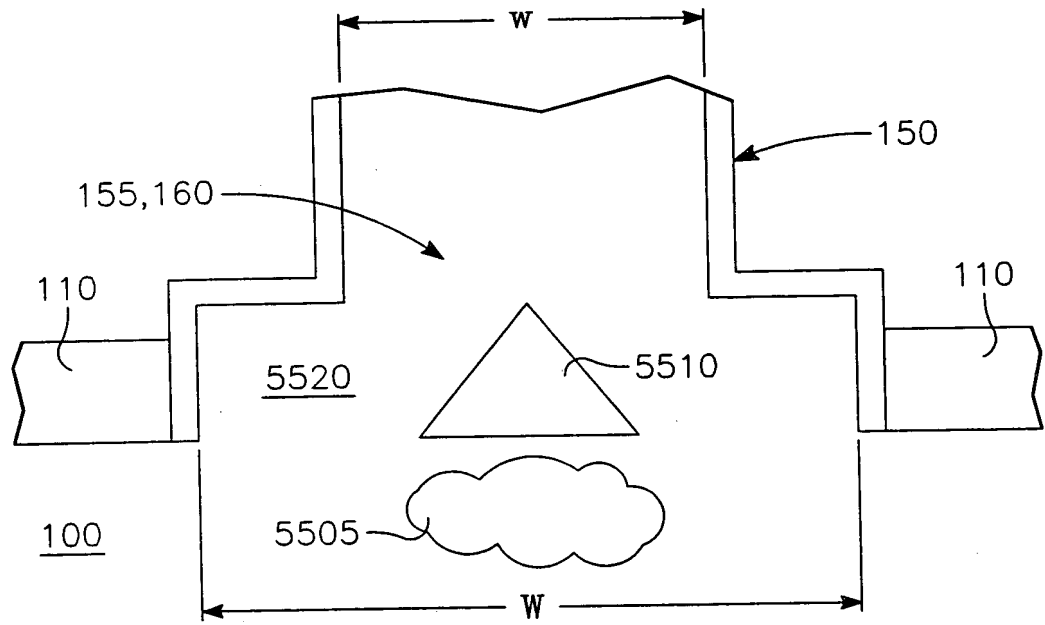


FIG. 55A

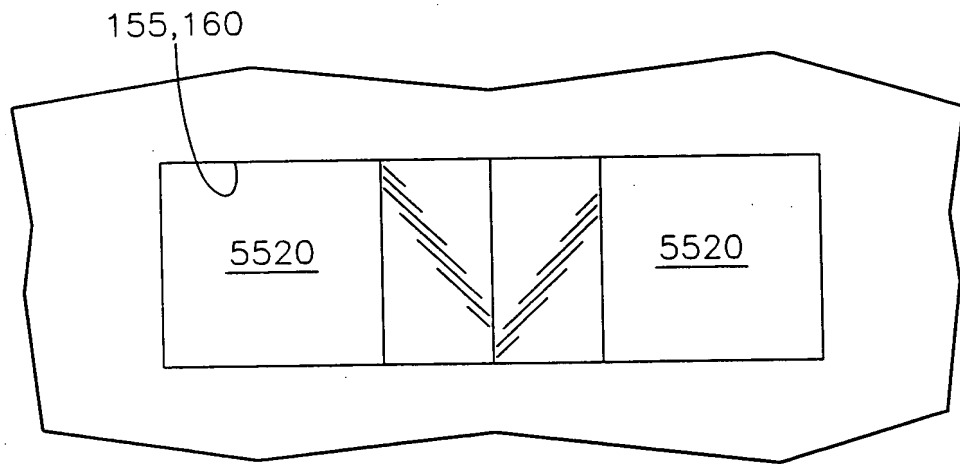


FIG. 55B

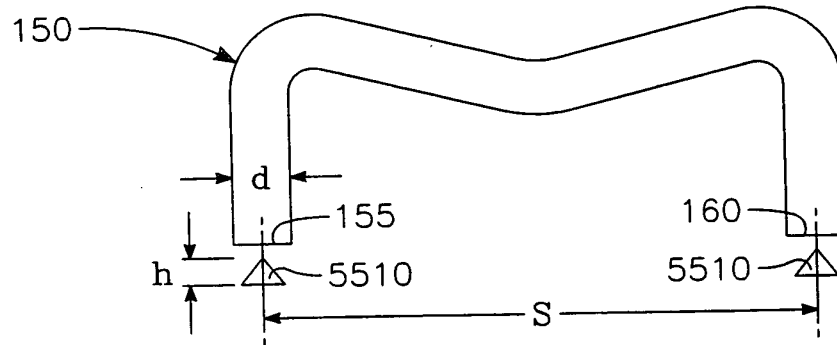


FIG. 56A

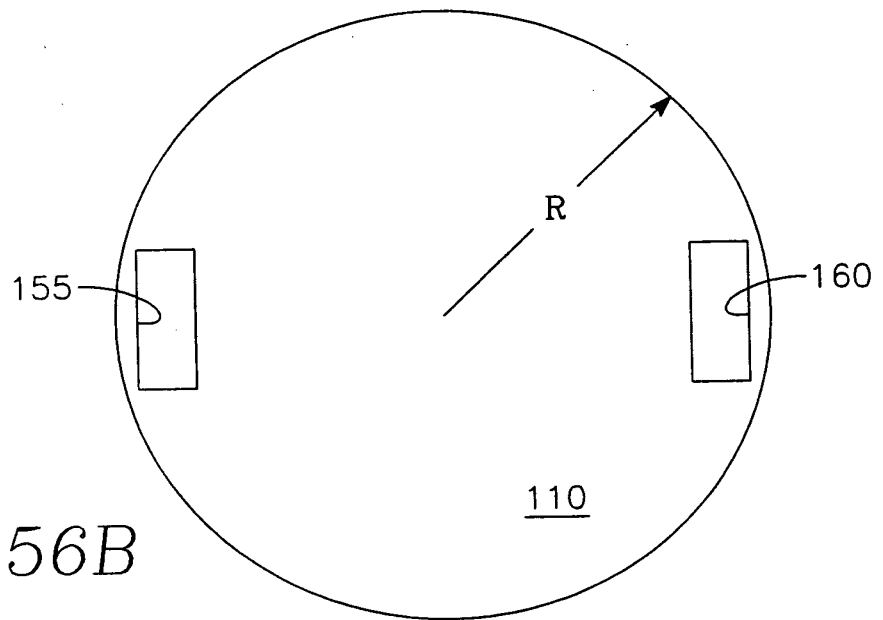


FIG. 56B

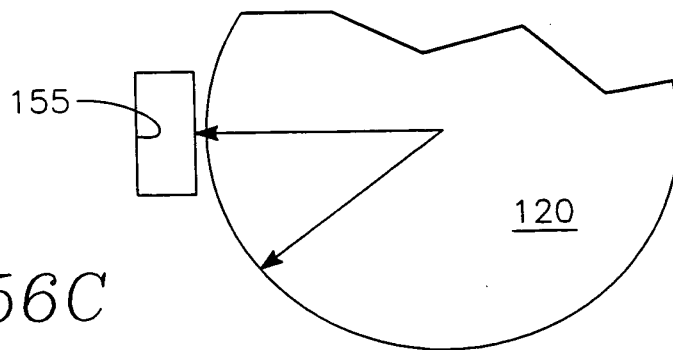


FIG. 56C

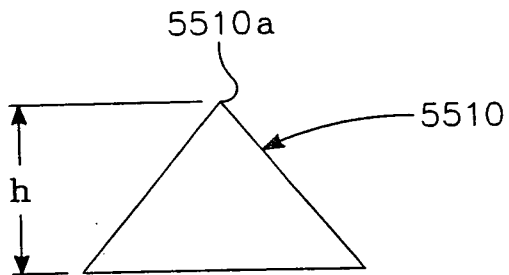


FIG. 57

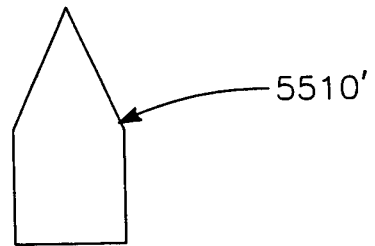


FIG. 58

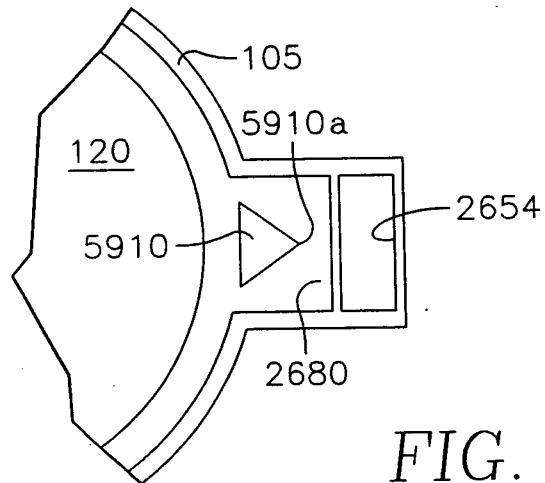


FIG. 59A

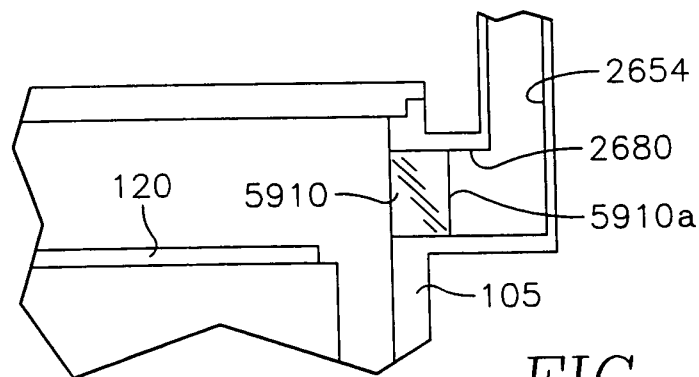


FIG. 59B

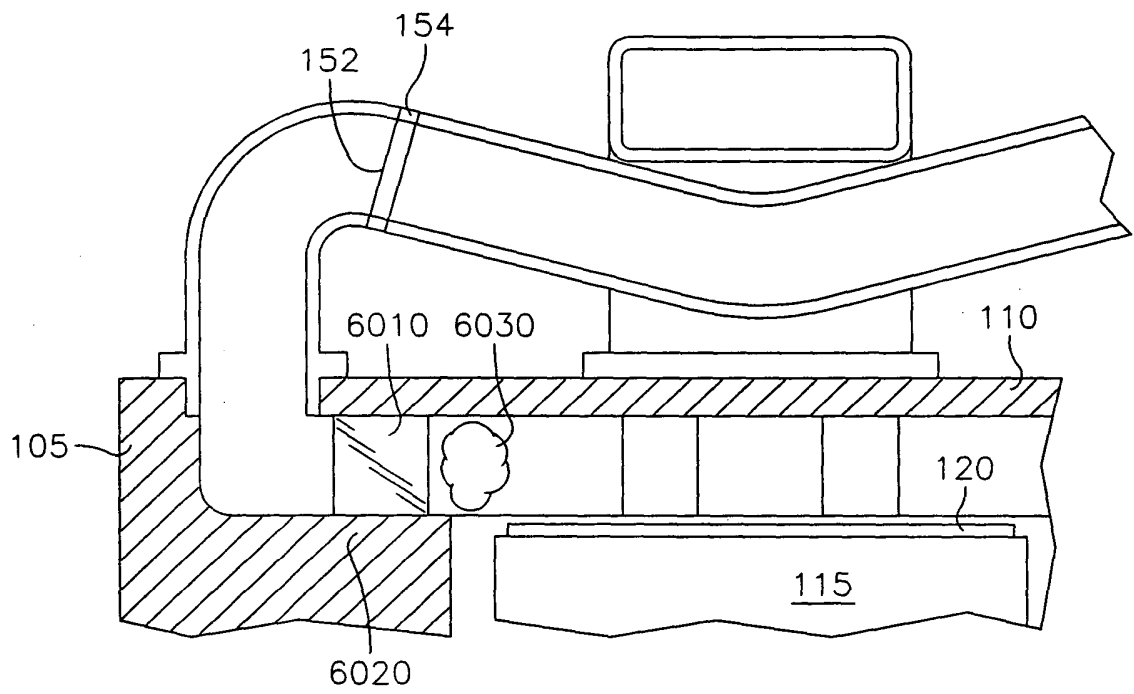


FIG. 60

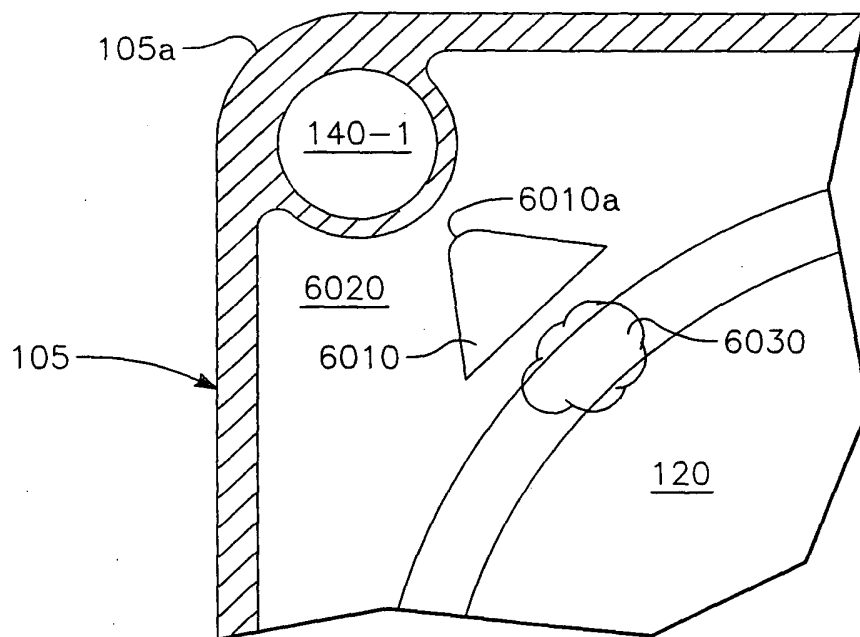


FIG. 61



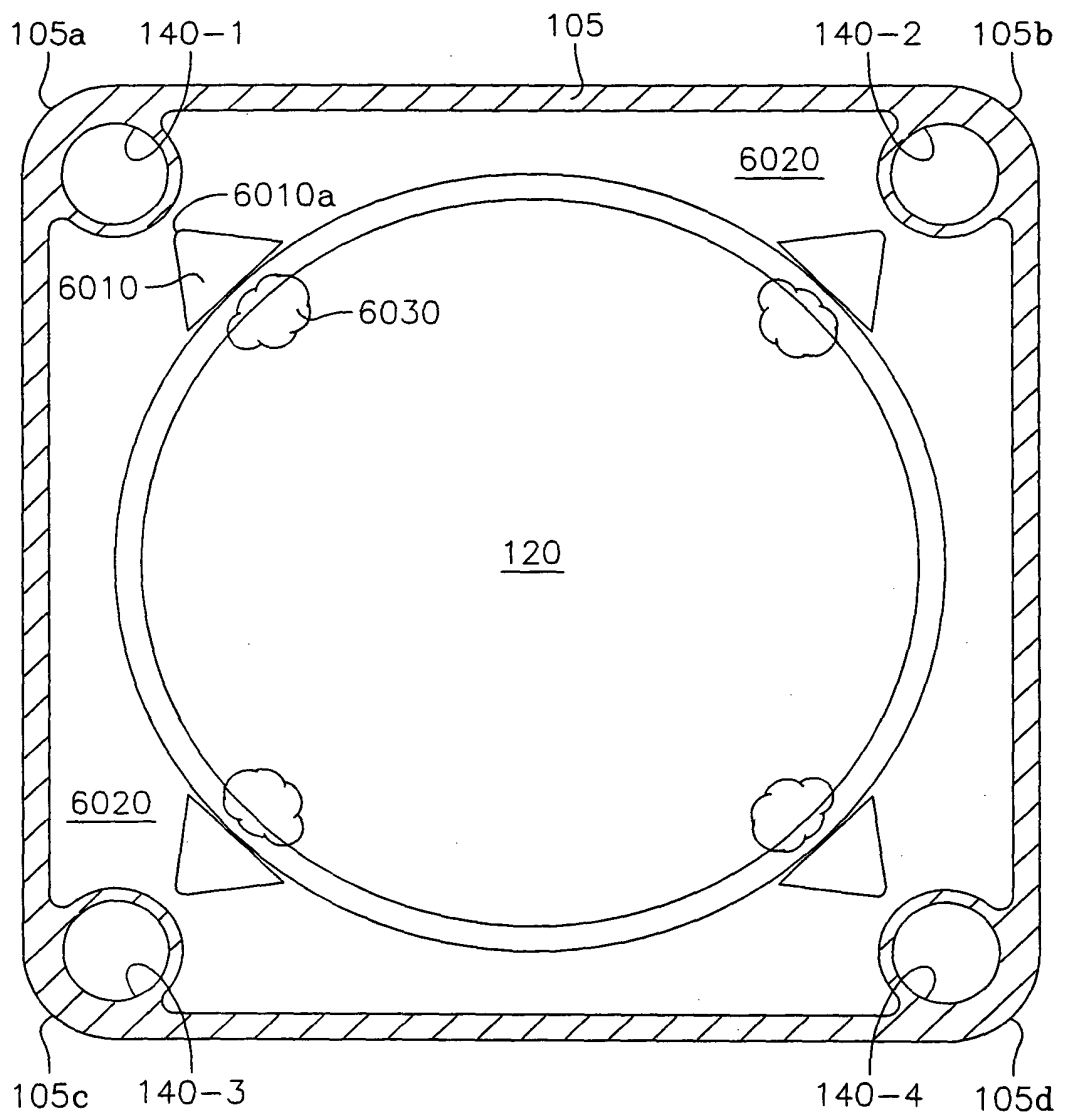


FIG. 62

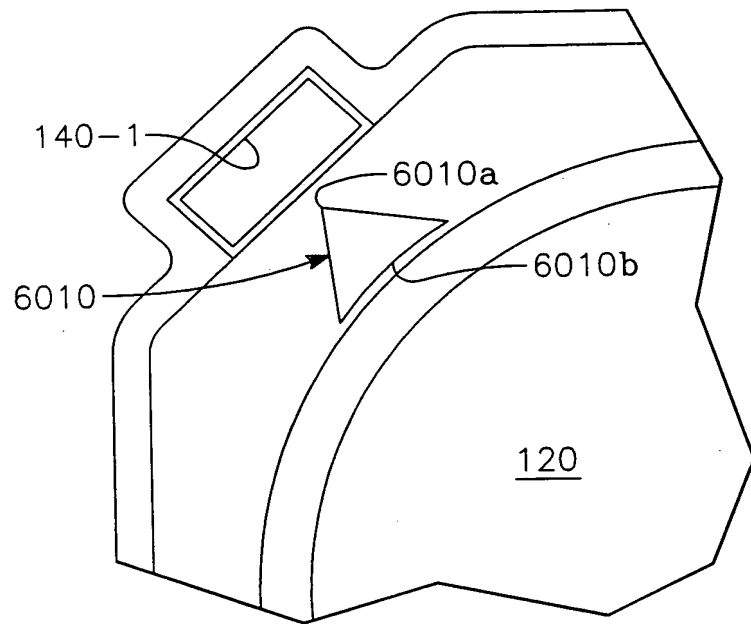


FIG. 63

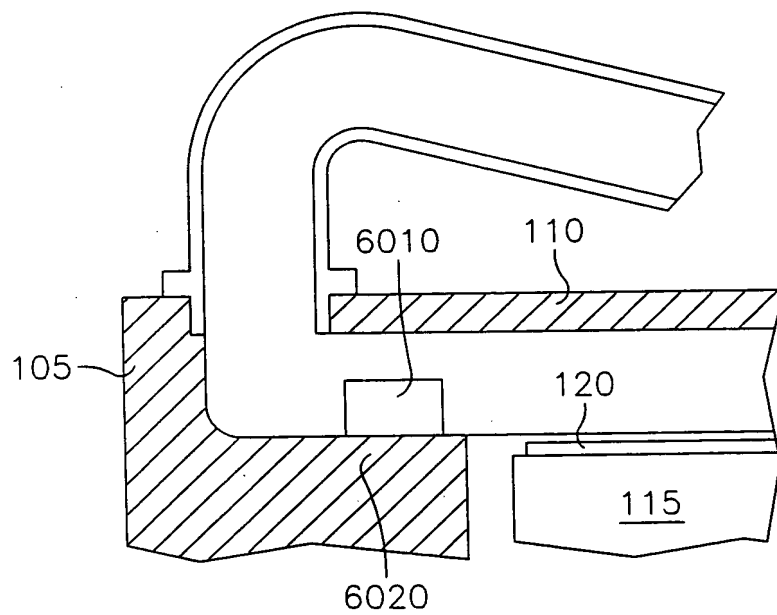


FIG. 64

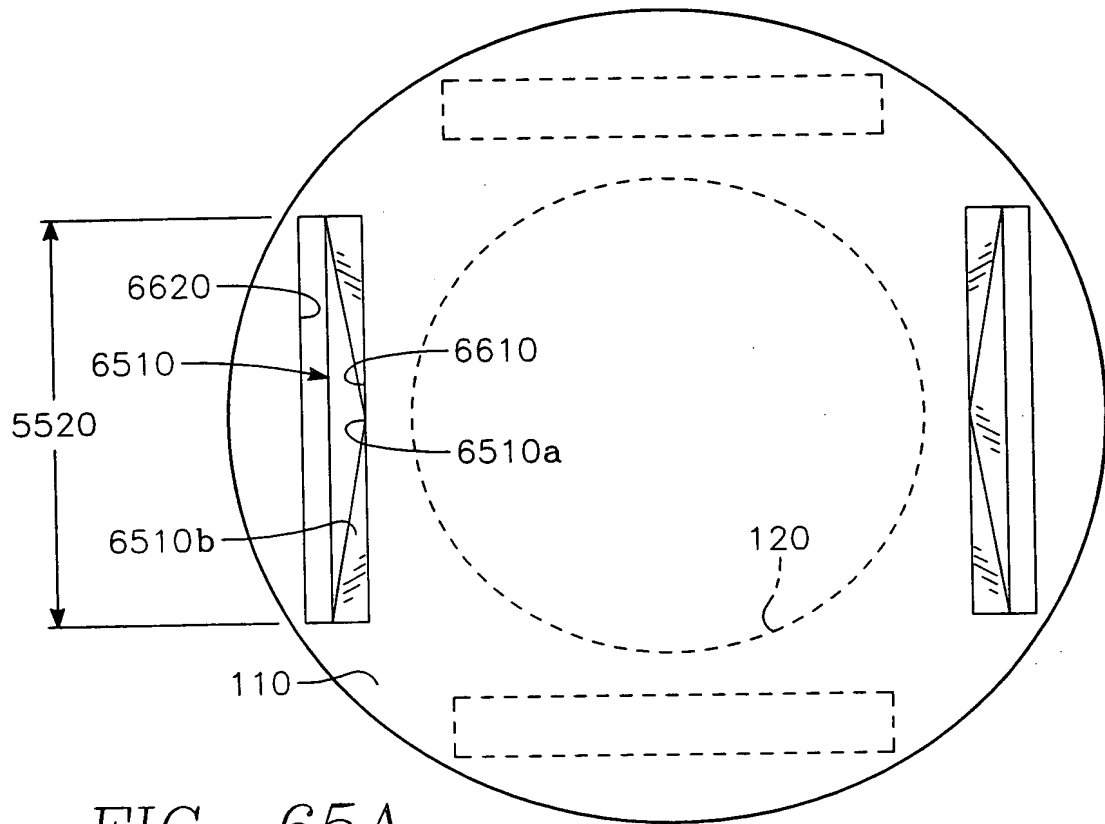


FIG. 65A

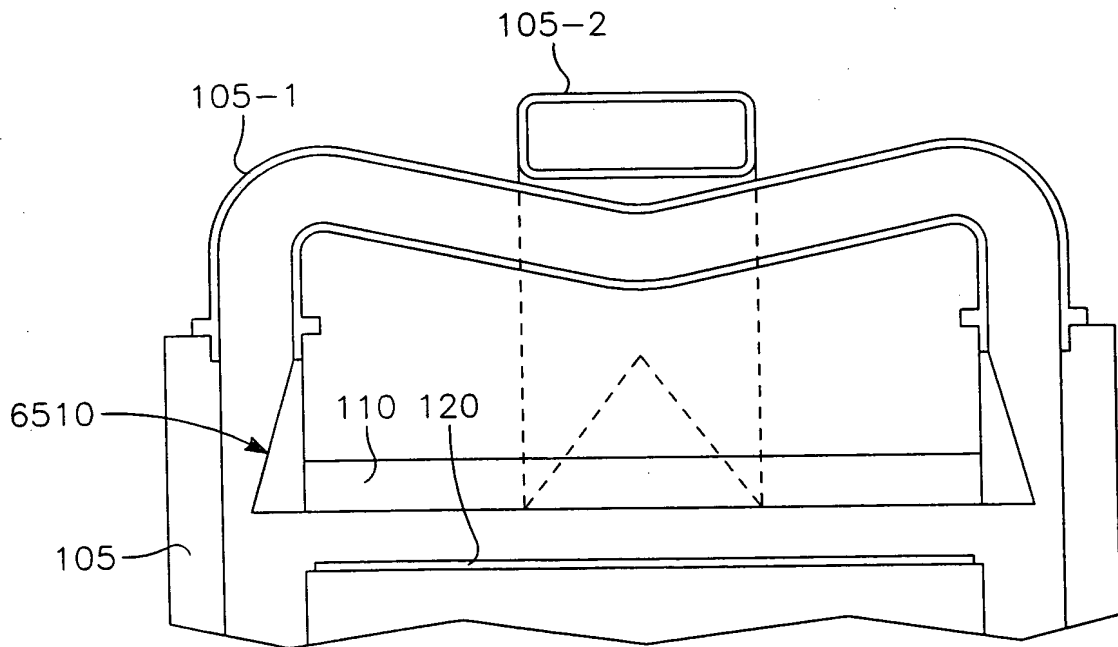


FIG. 65B

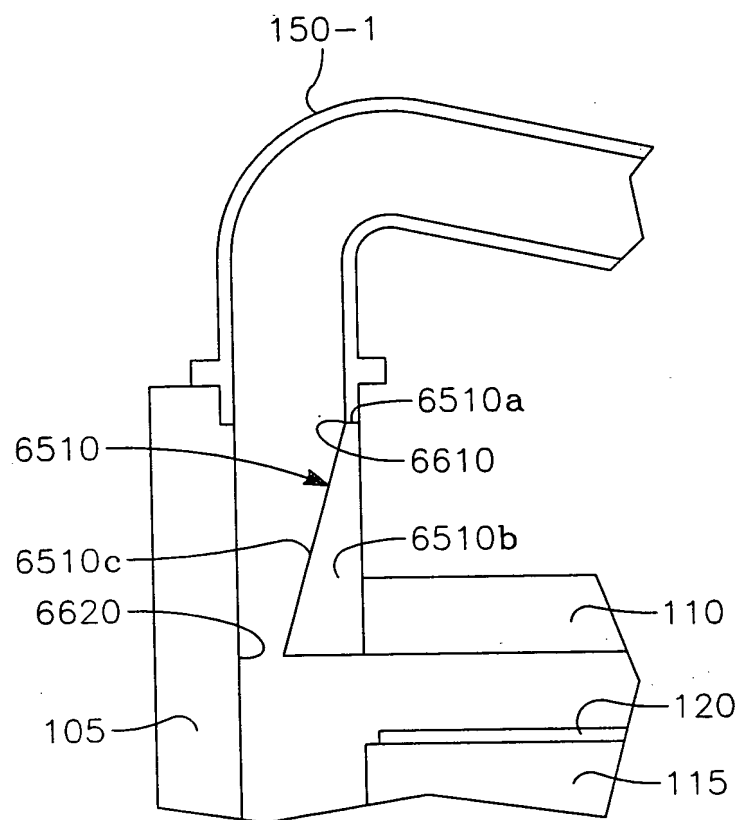


FIG. 66

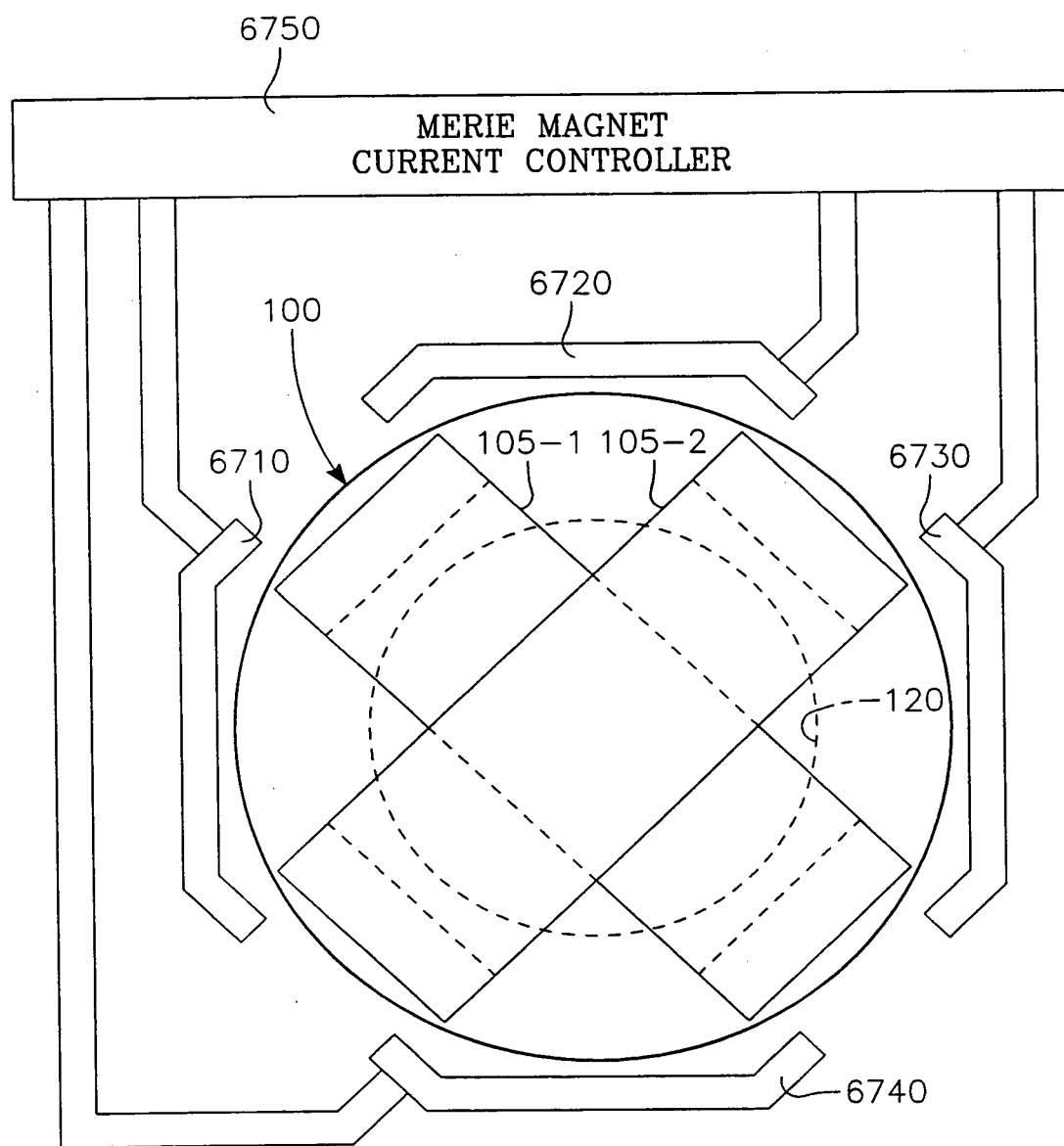


FIG. 67

54/85

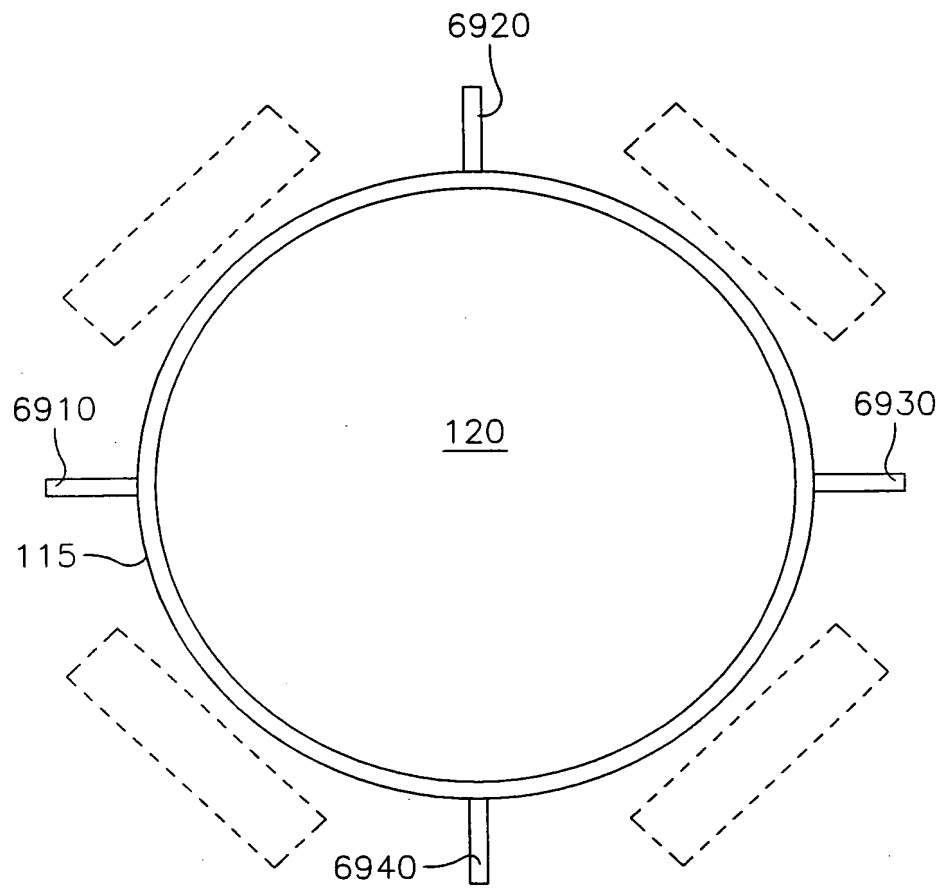


FIG. 68

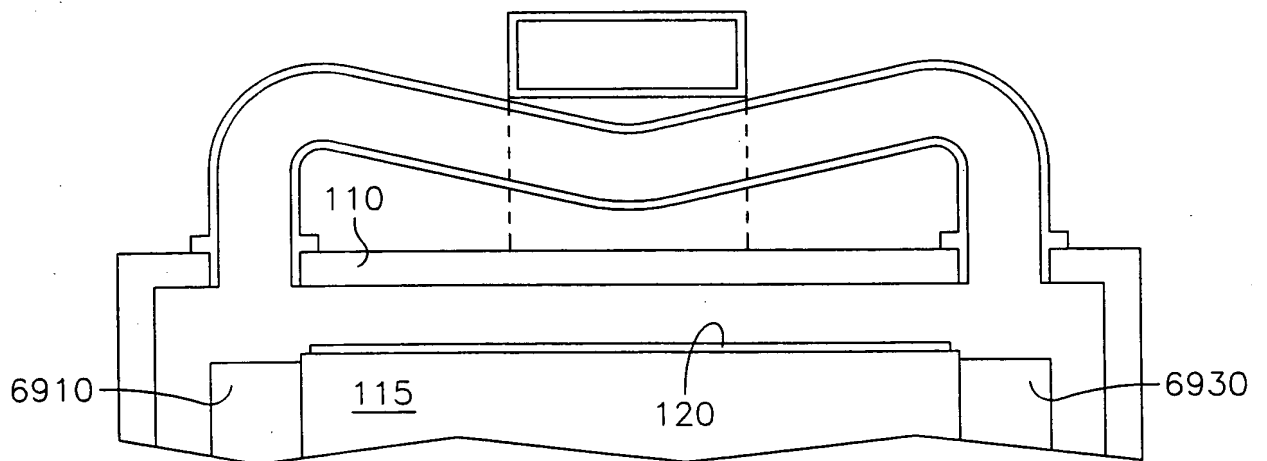
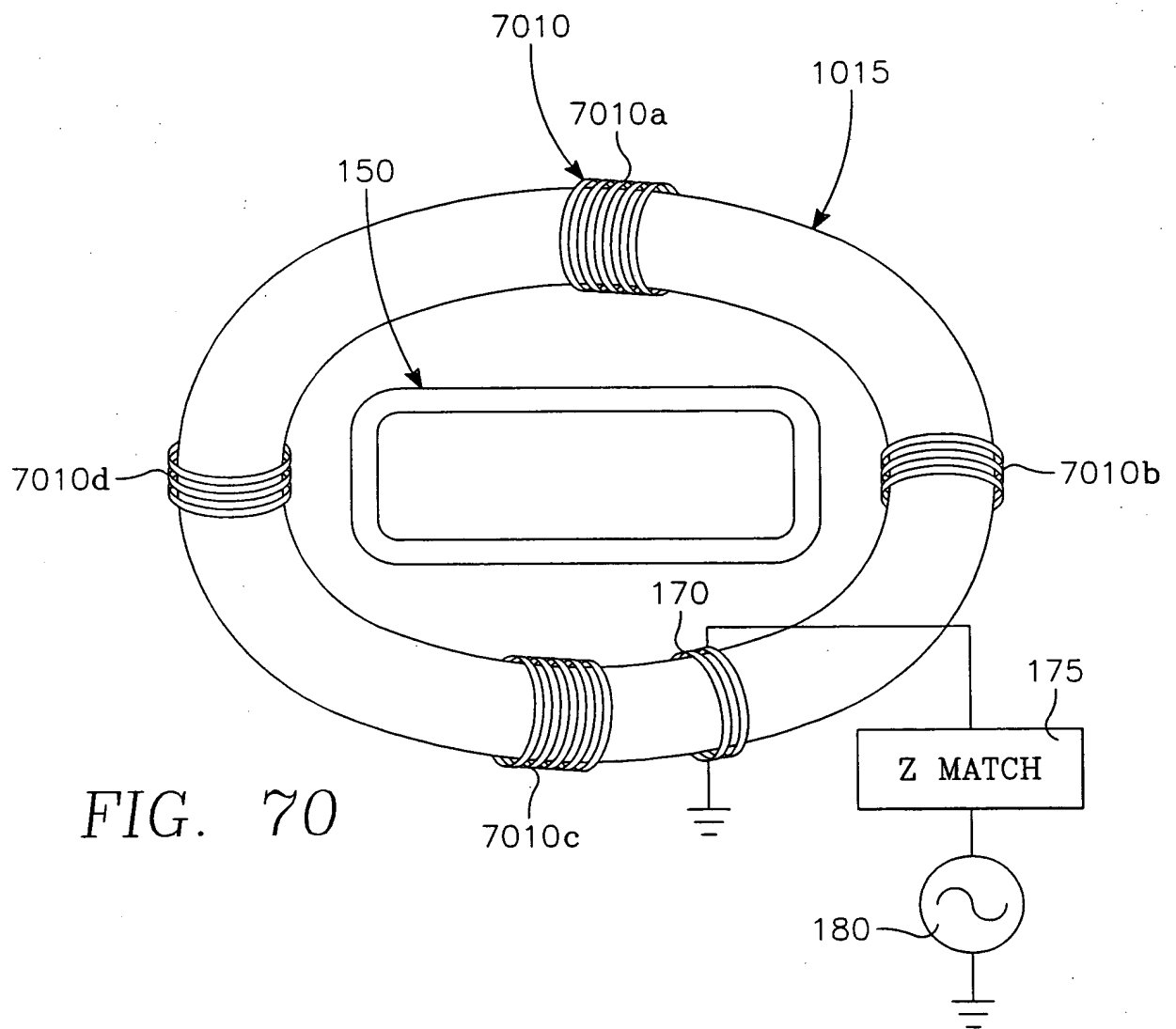


FIG. 69



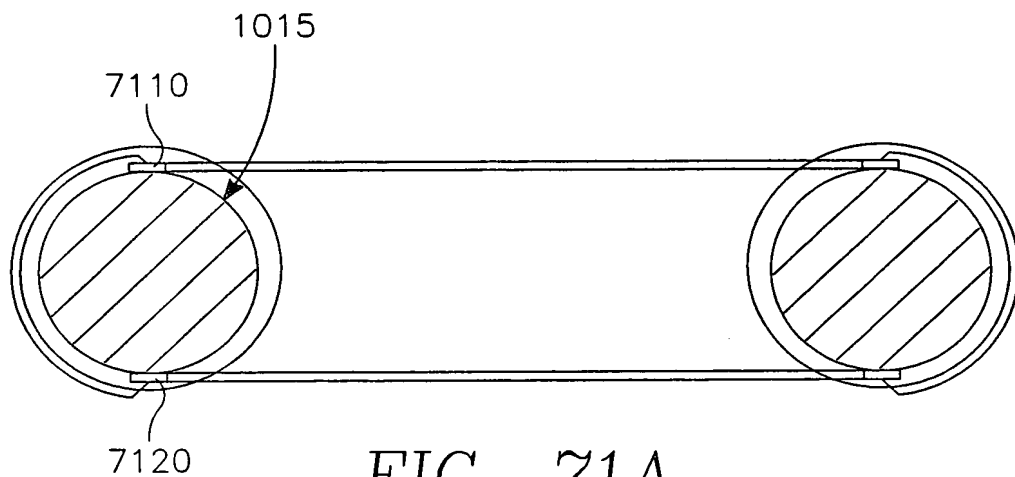


FIG. 71A

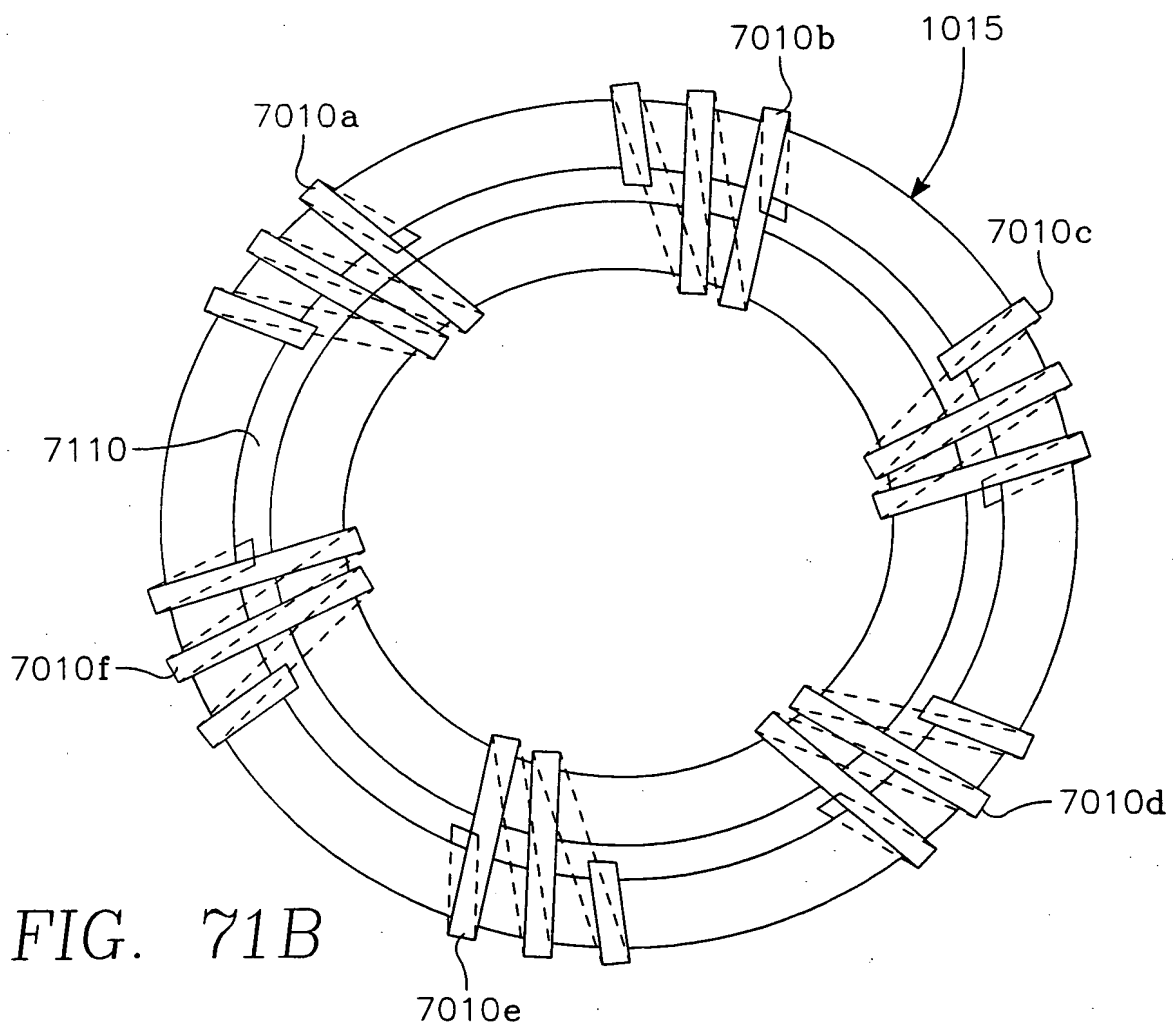


FIG. 71B



57/85

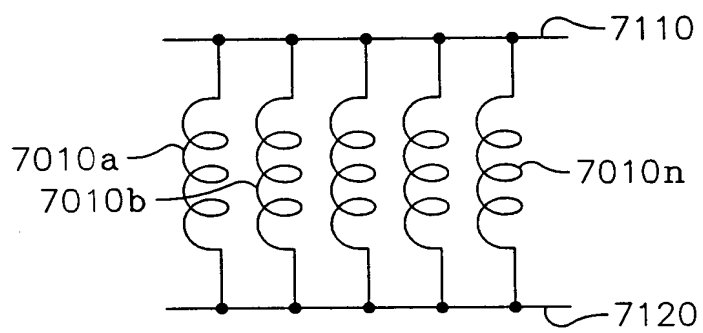


FIG. 72

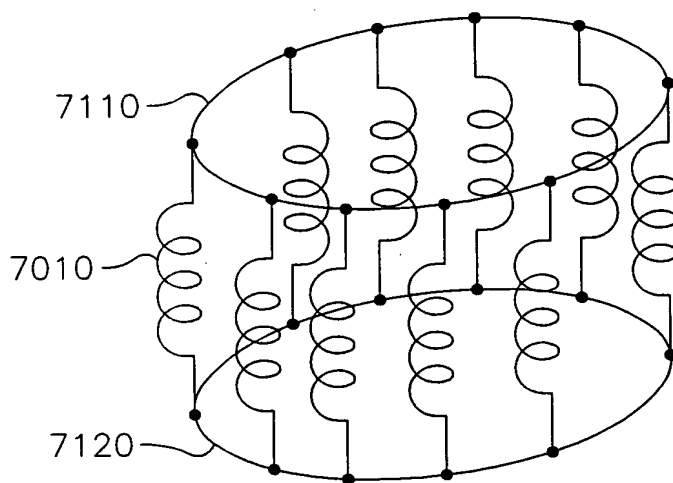


FIG. 73

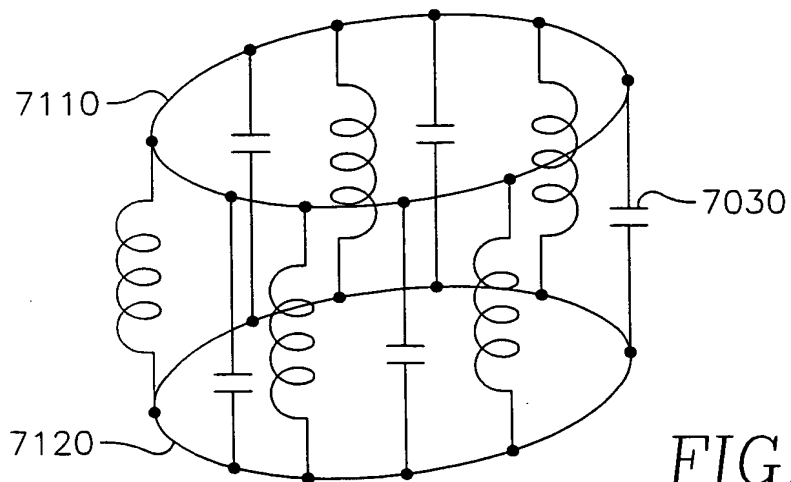


FIG. 74

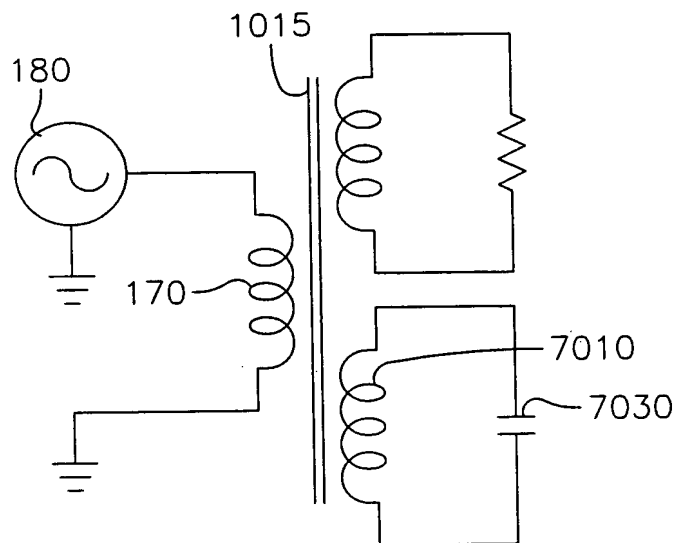


FIG. 75

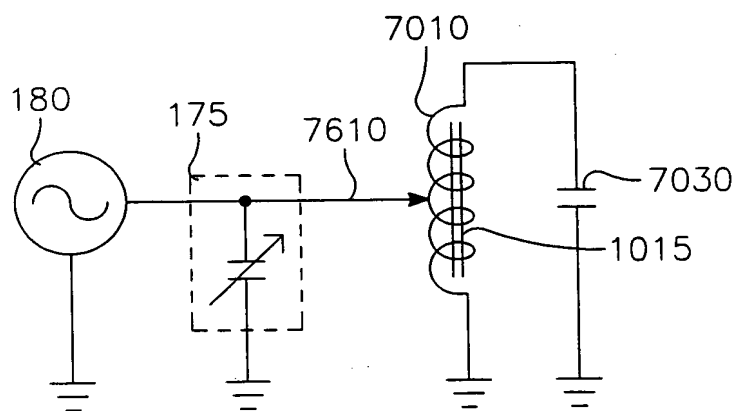


FIG. 76

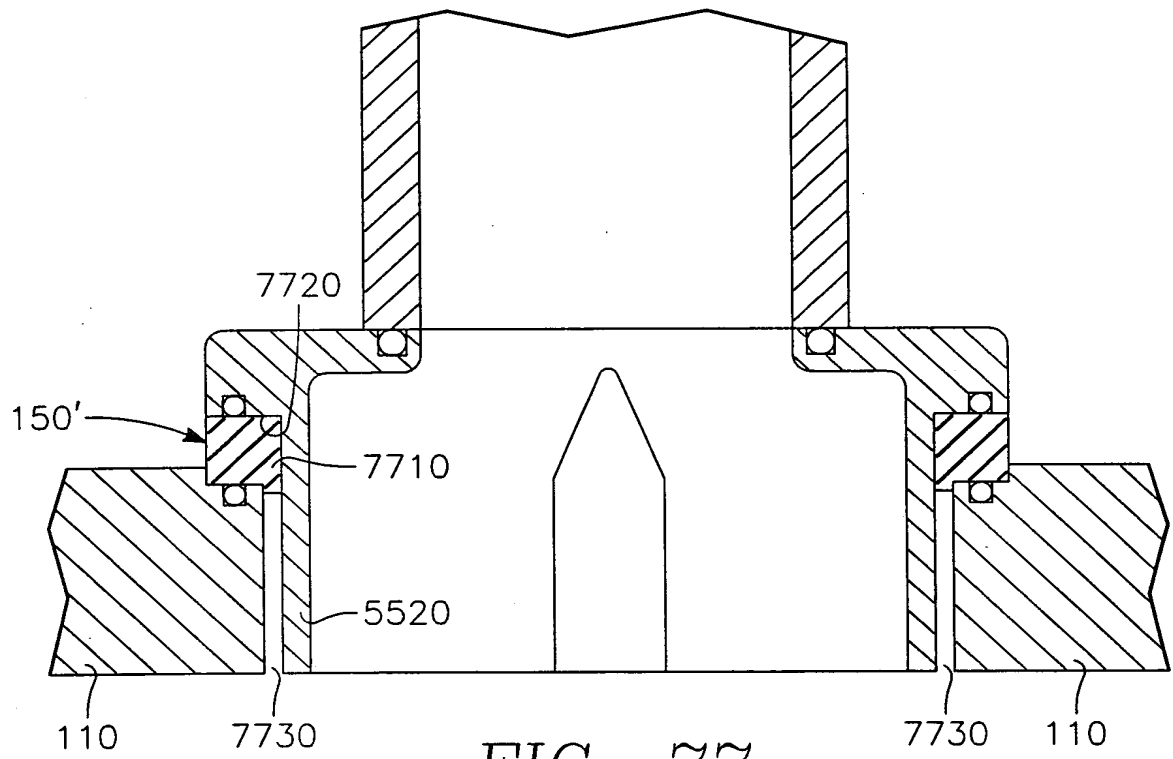


FIG. 77

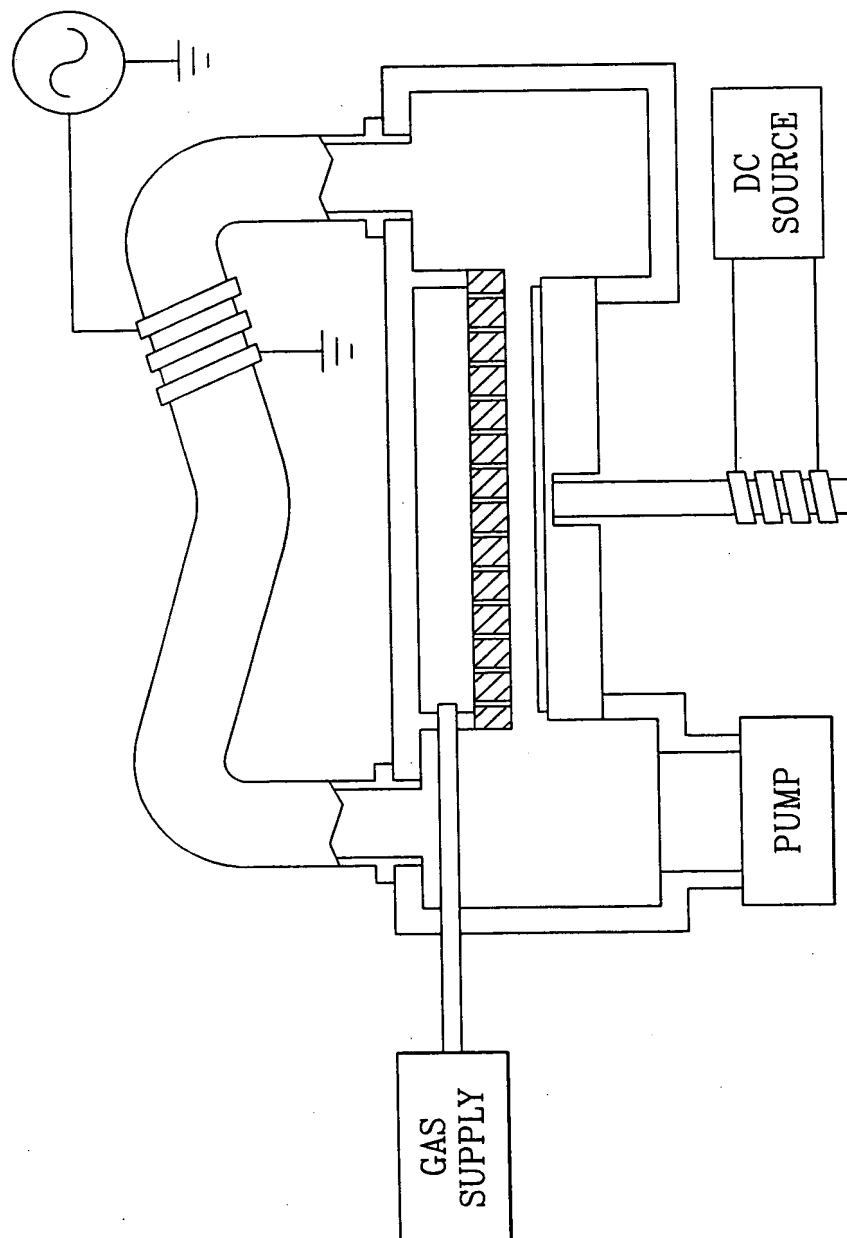


FIG. 78

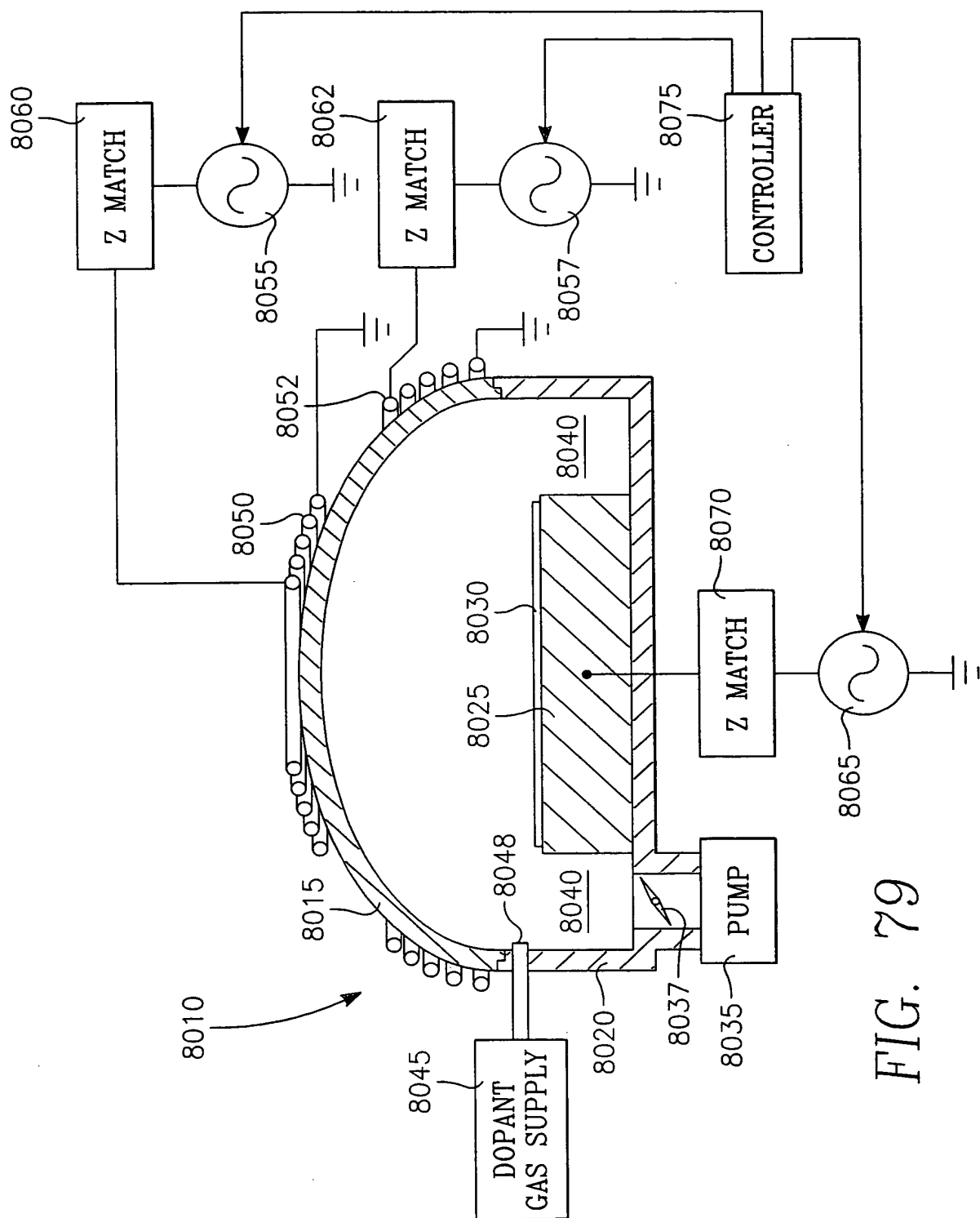


FIG. 79

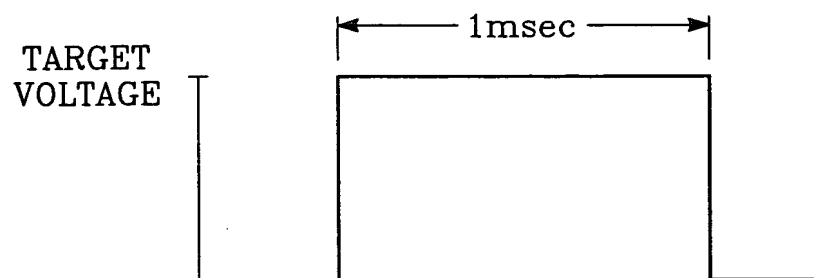


FIG. 80A

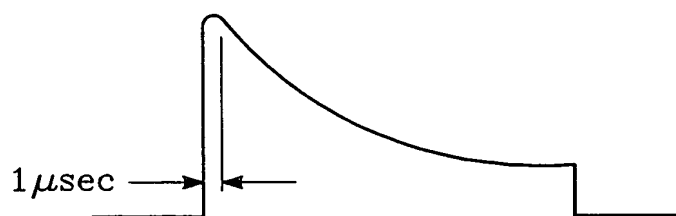


FIG. 80B

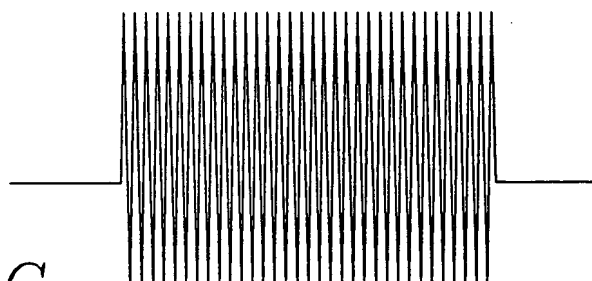
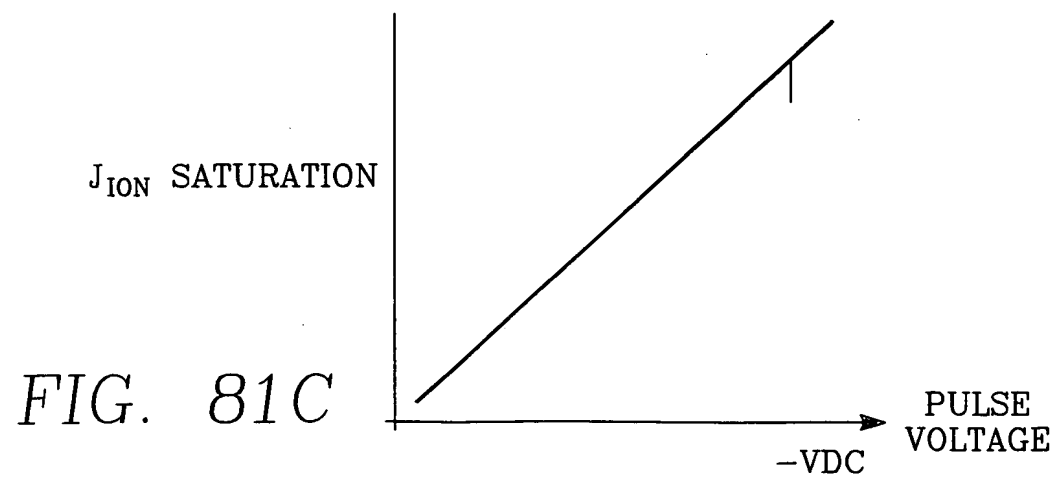
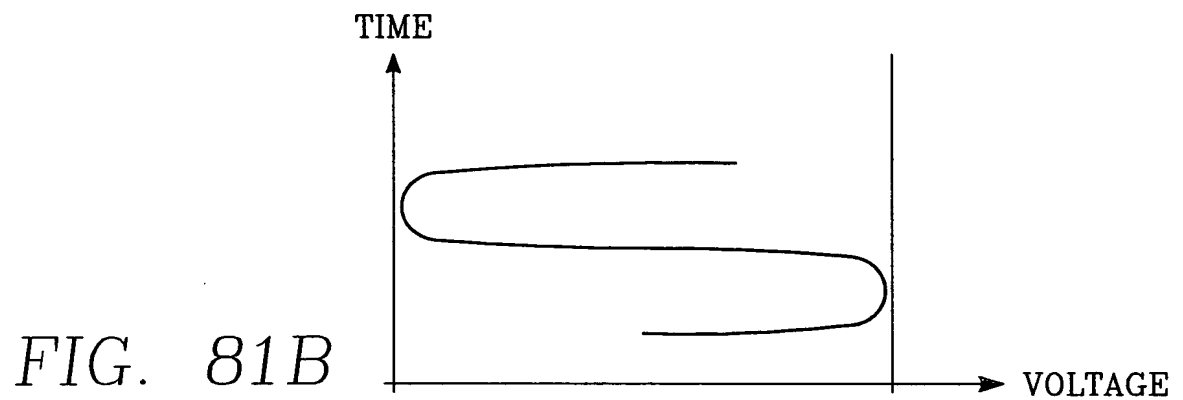
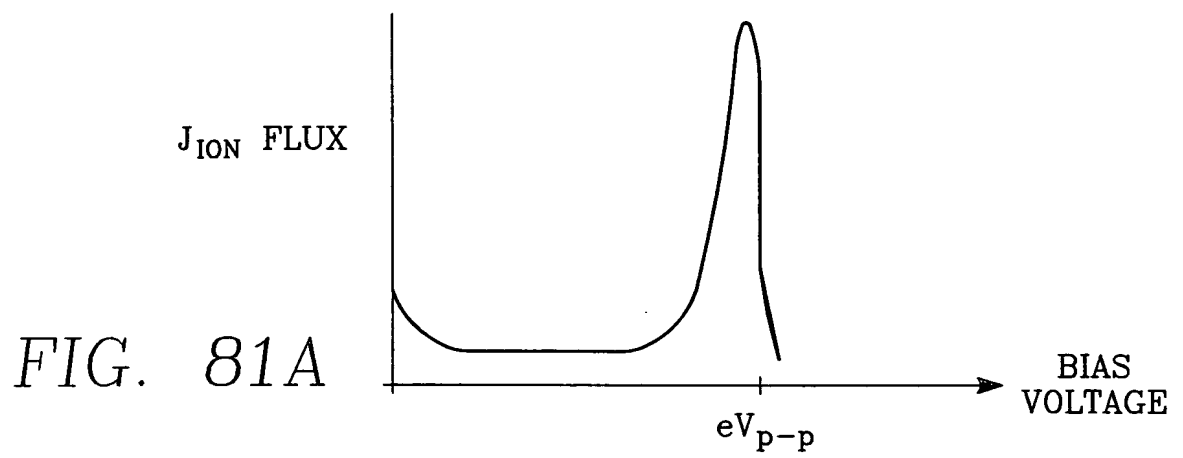


FIG. 80C

63/85



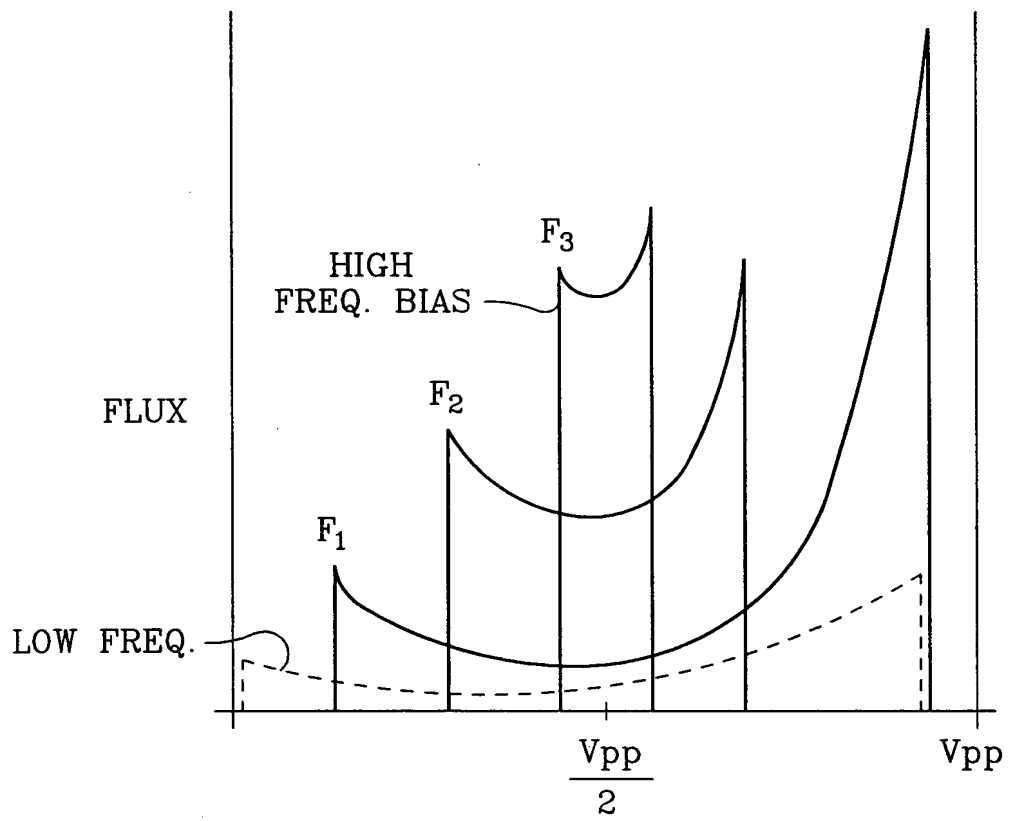
*FIG. 81D*



FIG. 82A  PUSH PULL

FIG. 82B  PUSH PULL

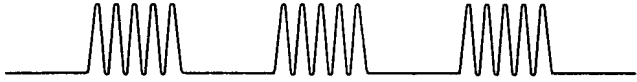
FIG. 82C  IN SYNC


FIG. 82D  IN SYNC

FIG. 82E  SYMMETRIC


FIG. 82F  SYMMETRIC

FIG. 82G  NON-SYMMETRIC

FIG. 82H  NON-SYMMETRIC

66/85

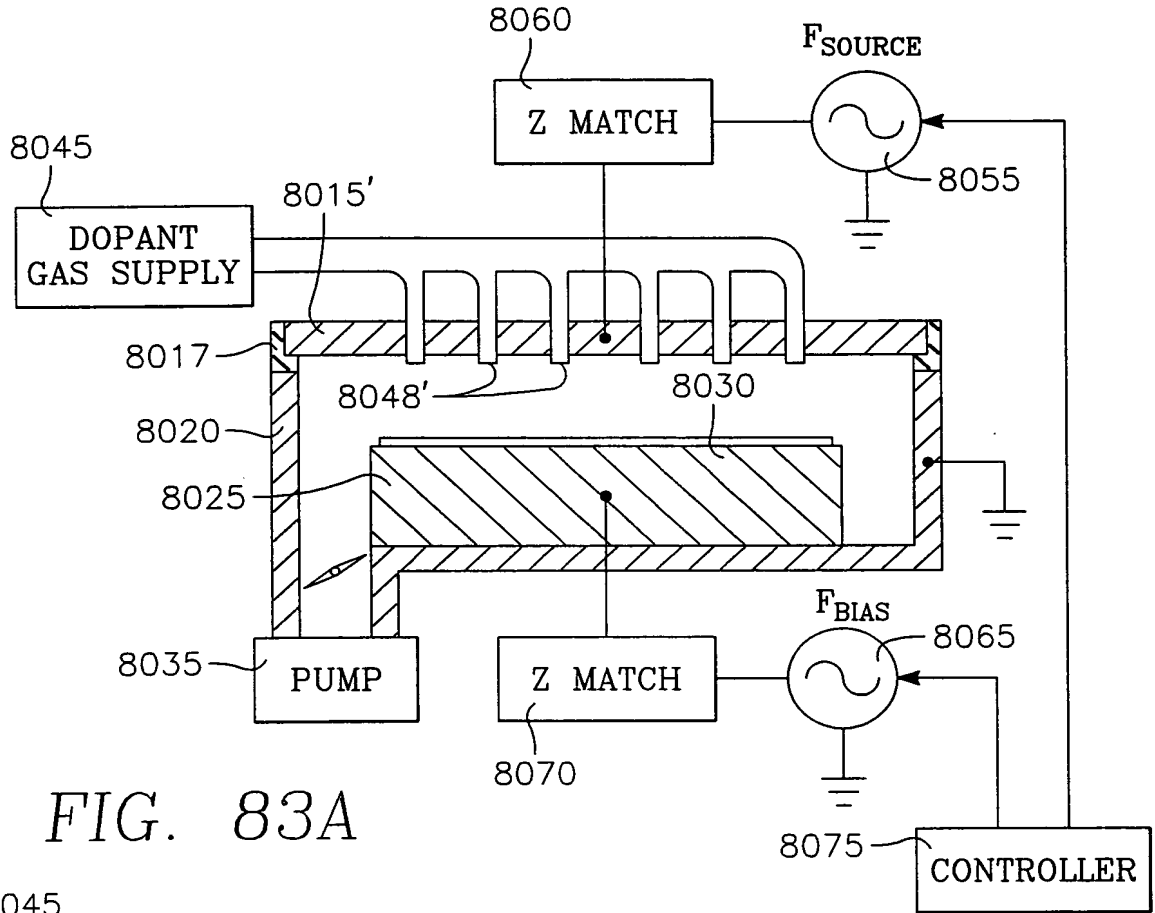


FIG. 83A

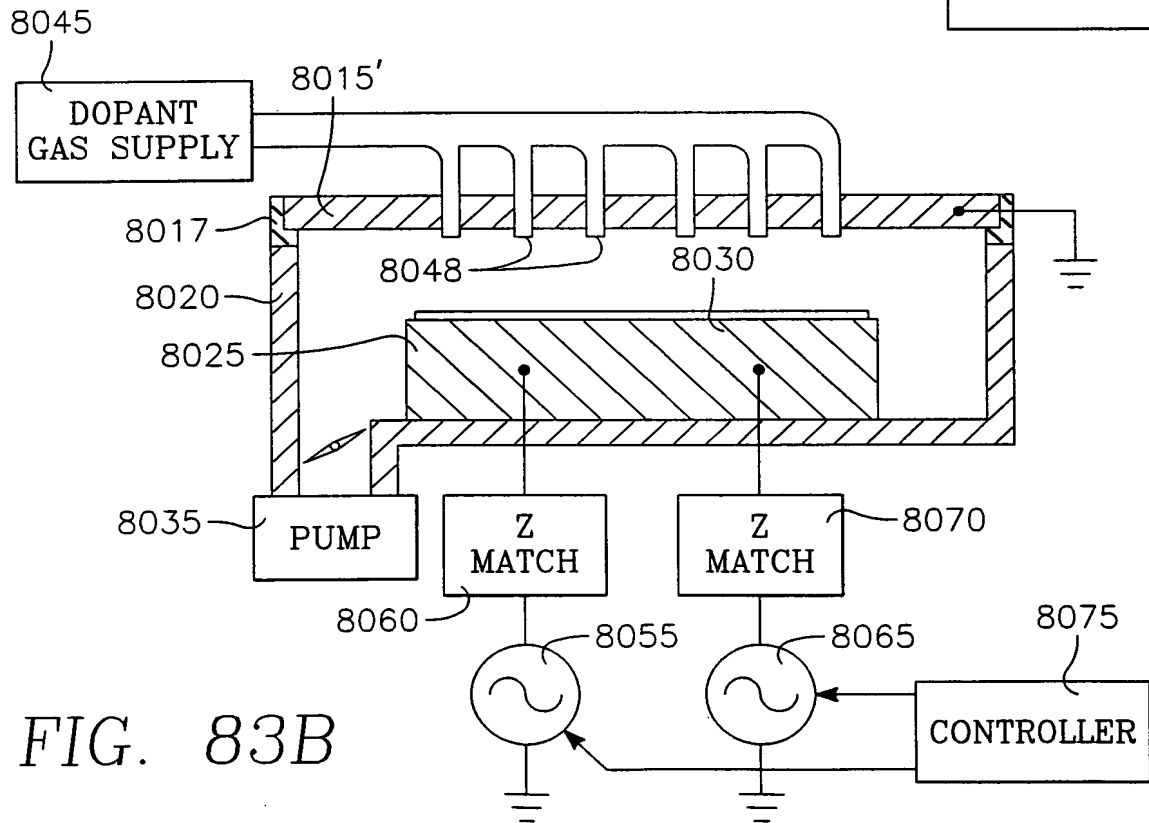


FIG. 83B

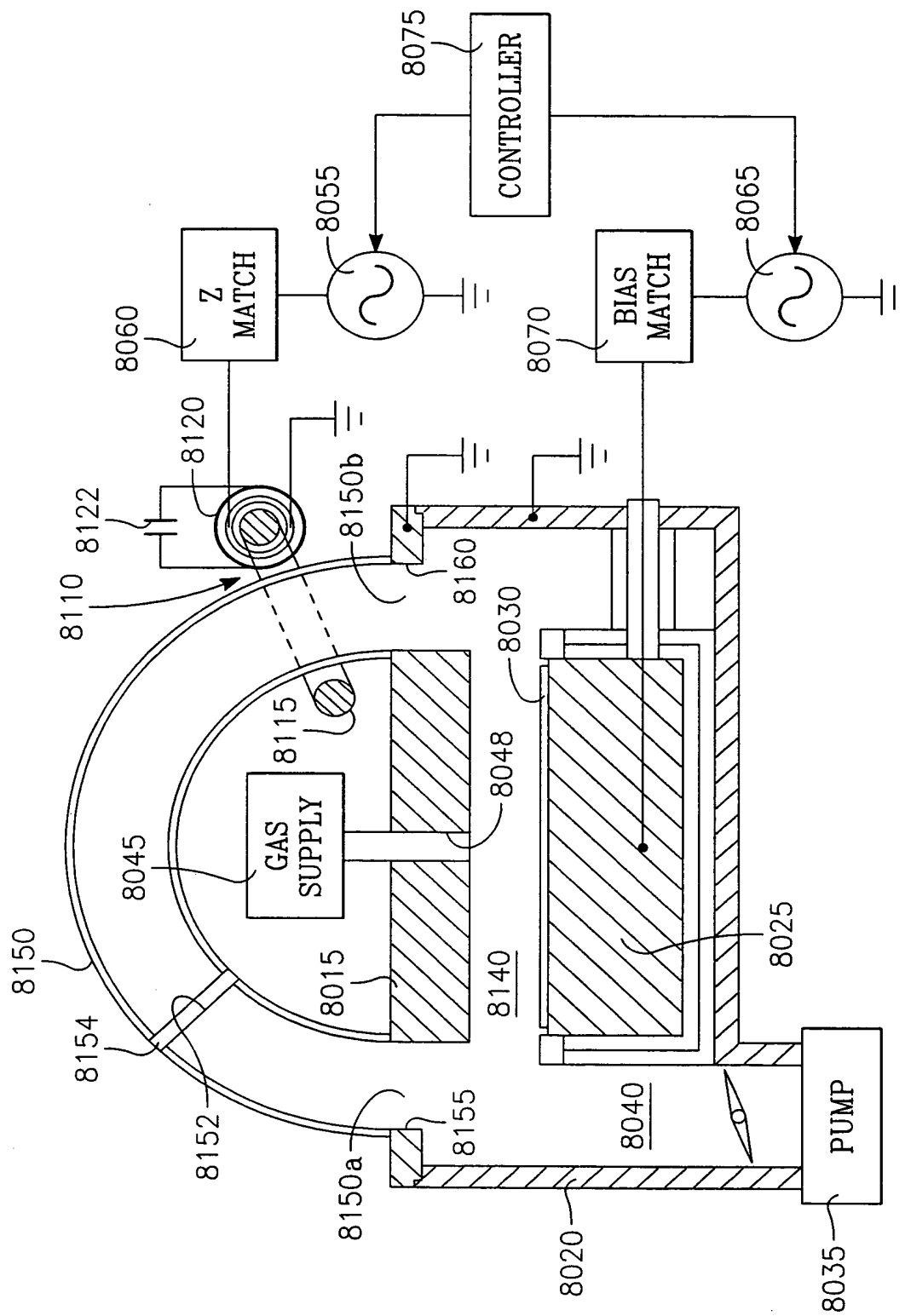


FIG. 84



69/85

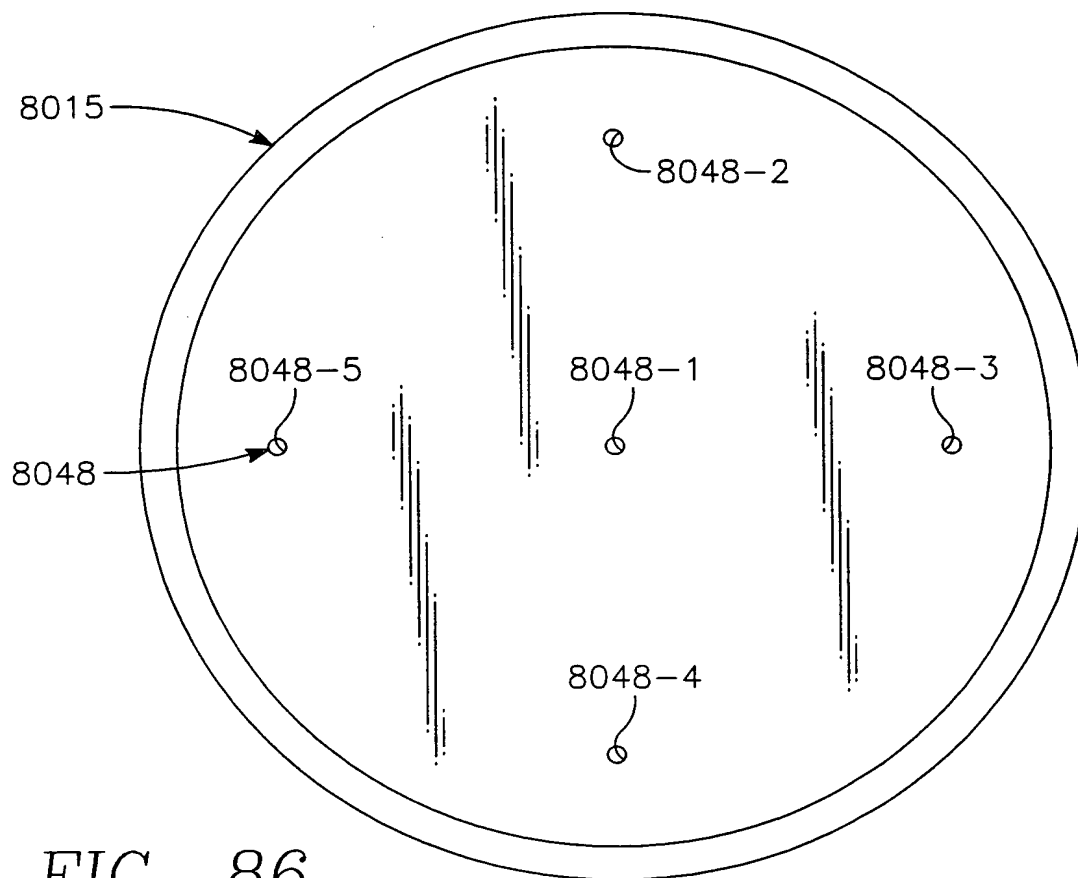


FIG. 86

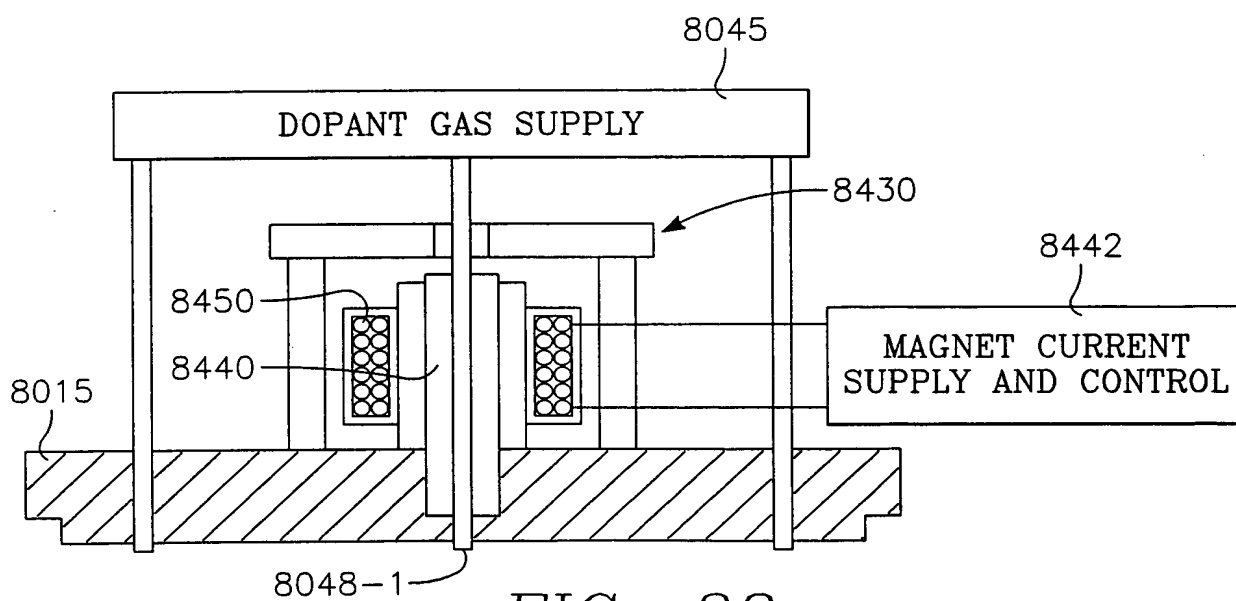


FIG. 88

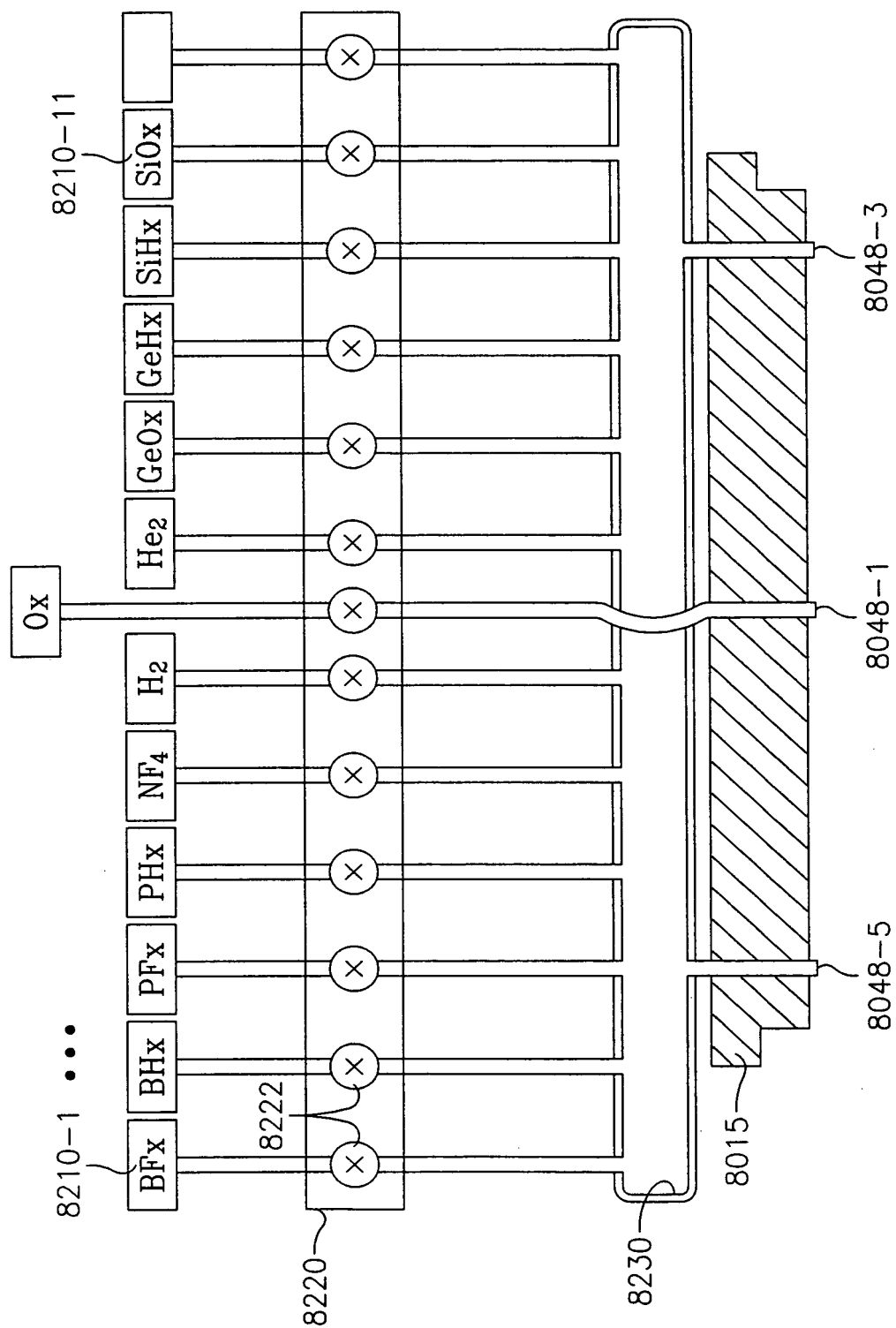


FIG. 87

71/85

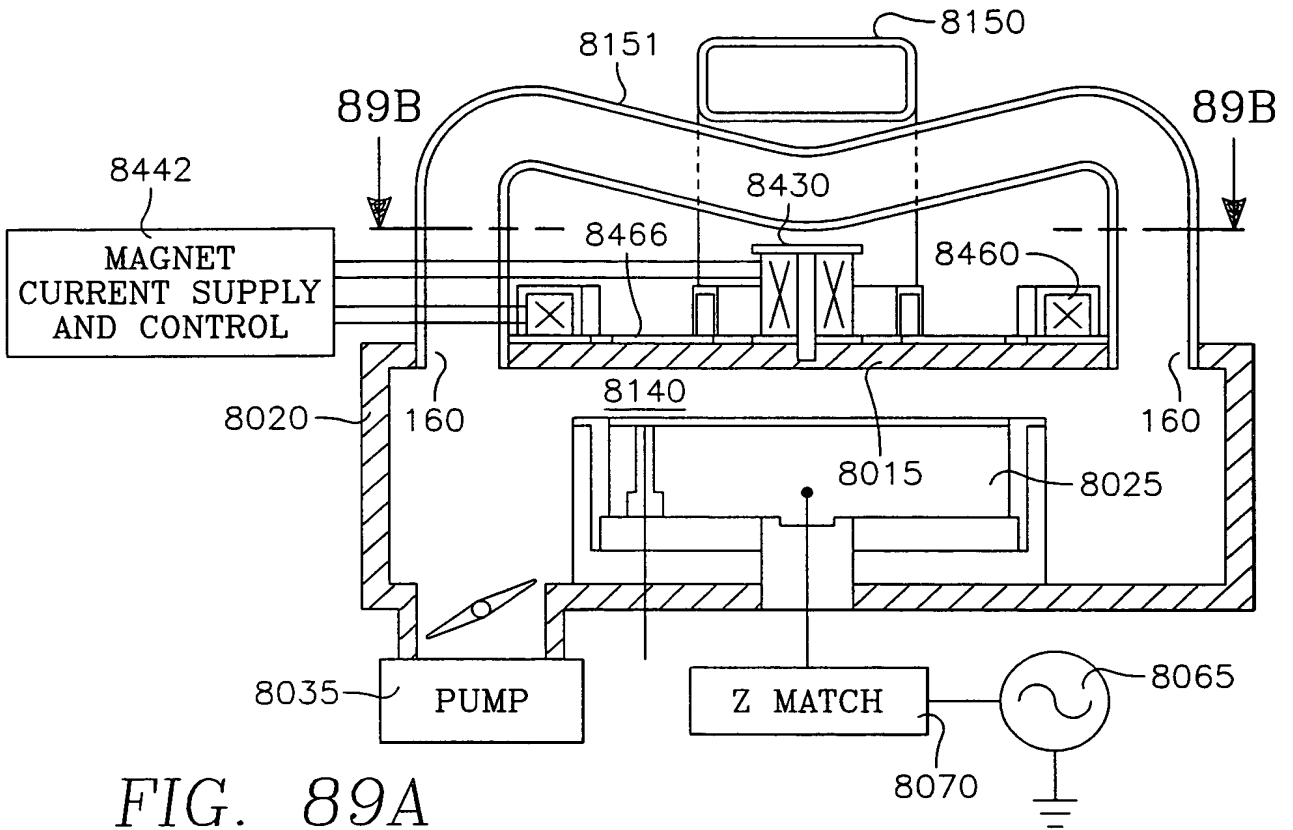


FIG. 89A

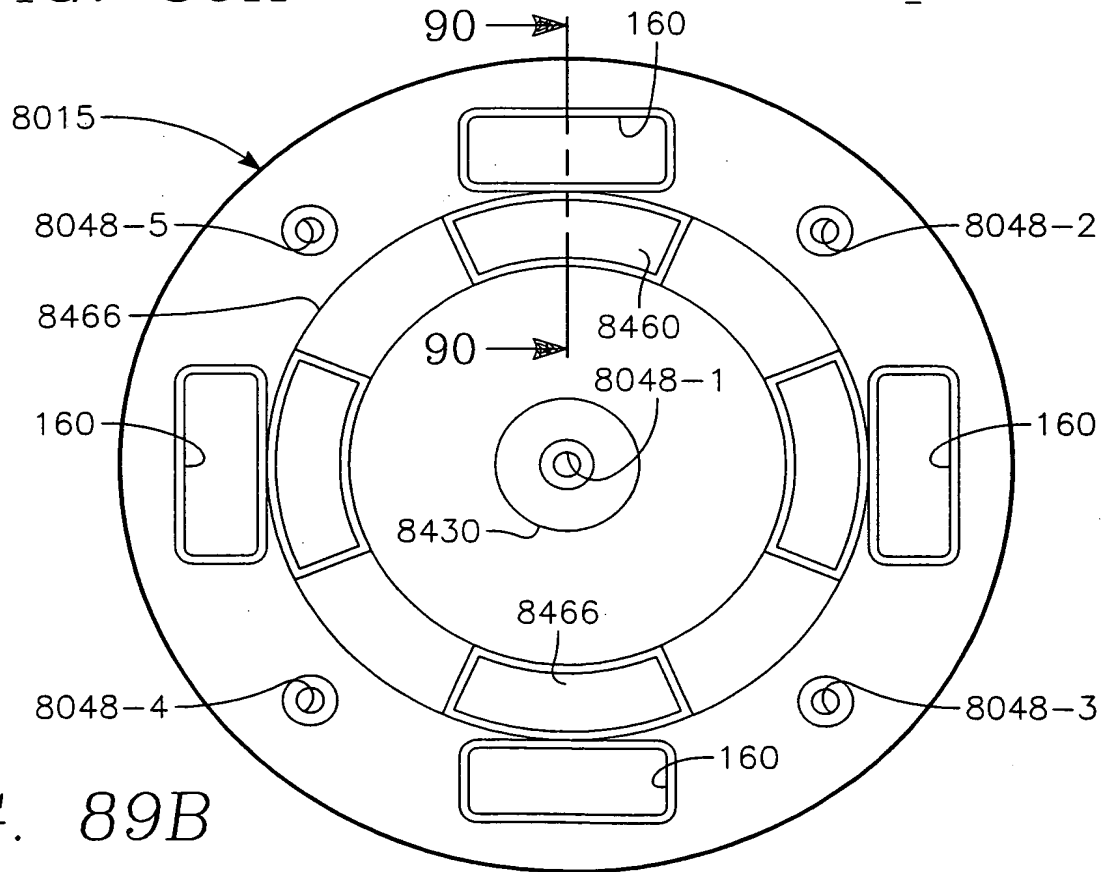


FIG. 89B

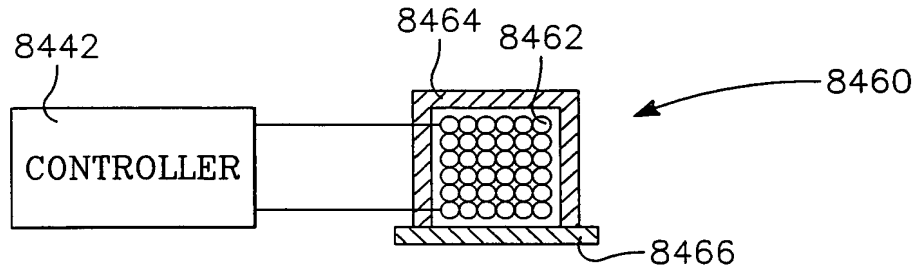


FIG. 90A

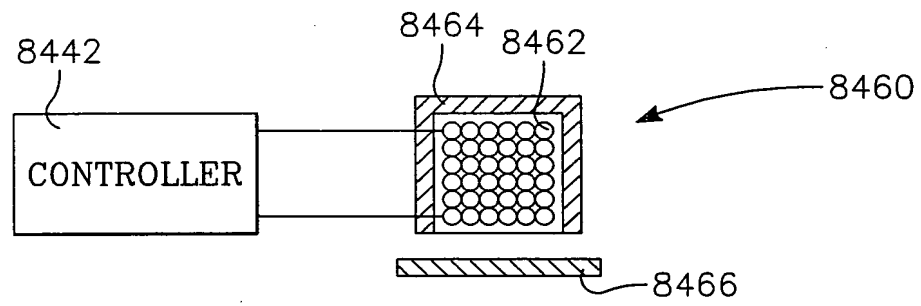


FIG. 90B

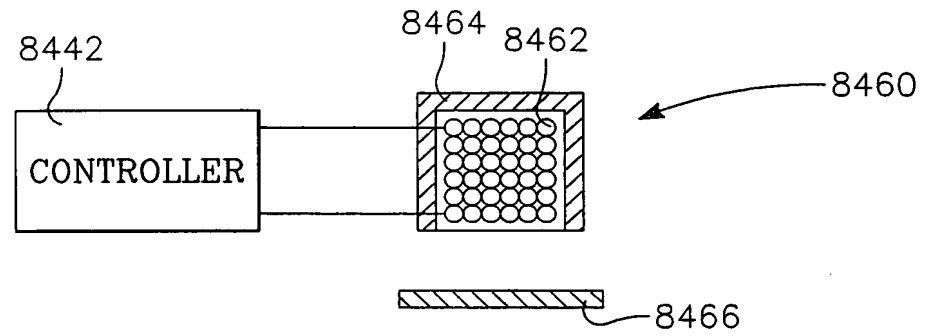


FIG. 90C



73/85

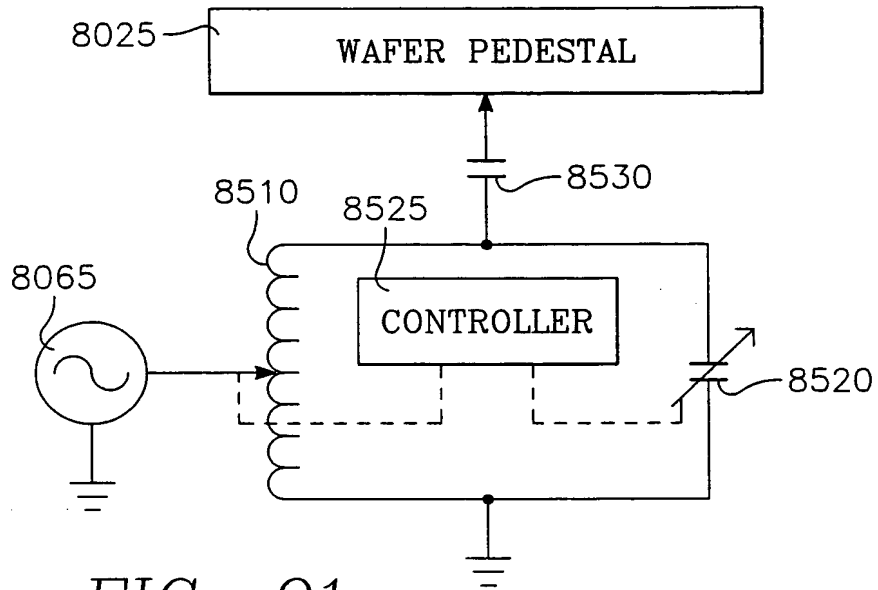


FIG. 91

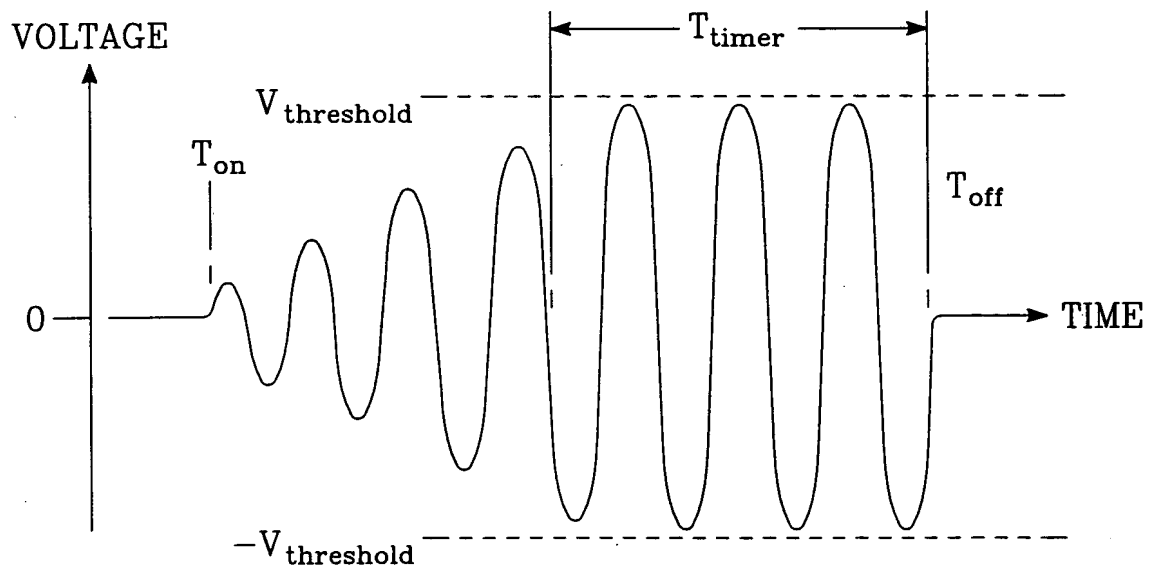


FIG. 92

74/85

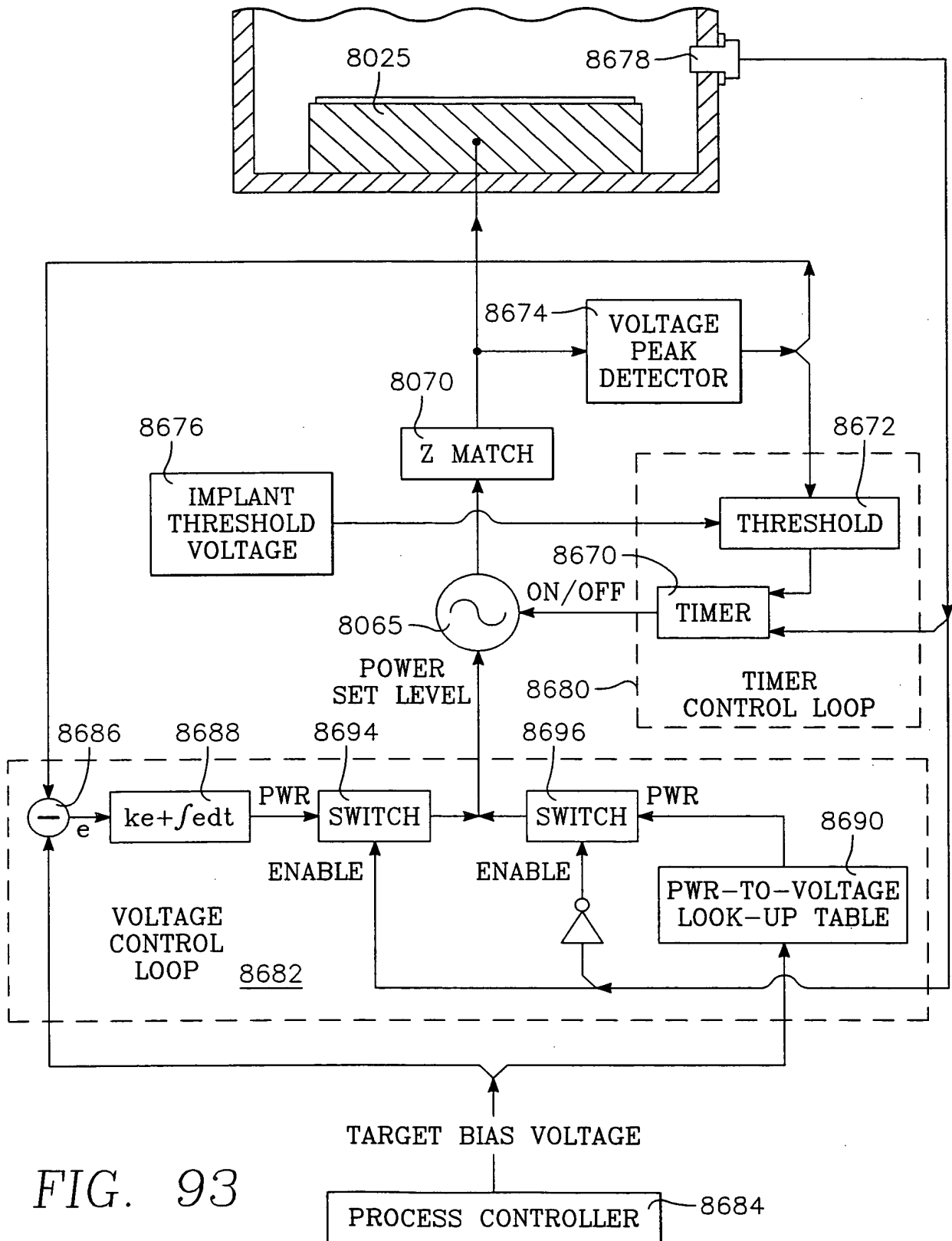


FIG. 93

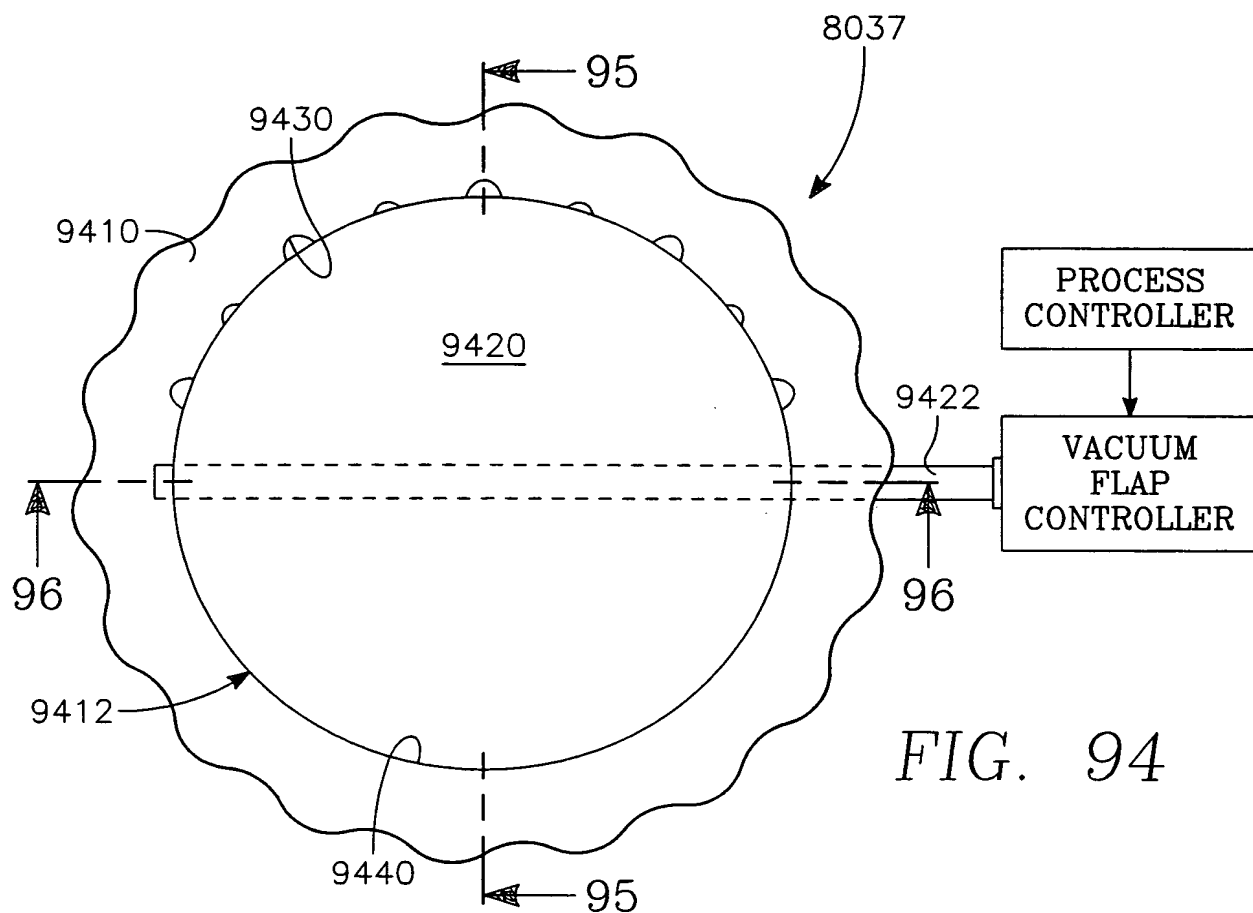


FIG. 94

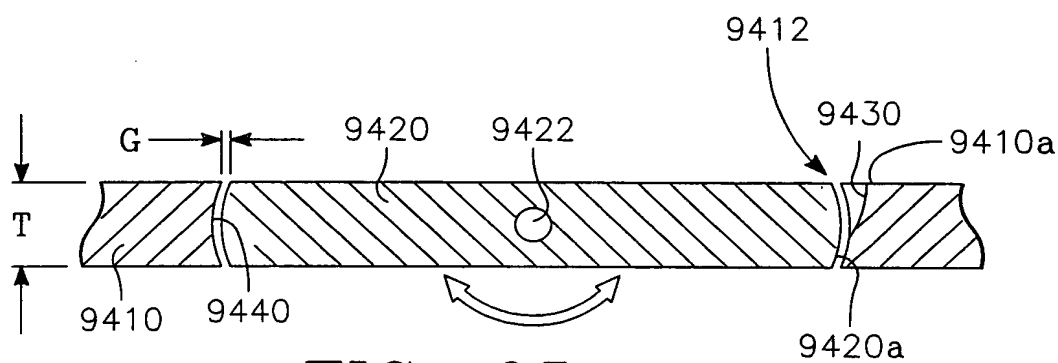


FIG. 95

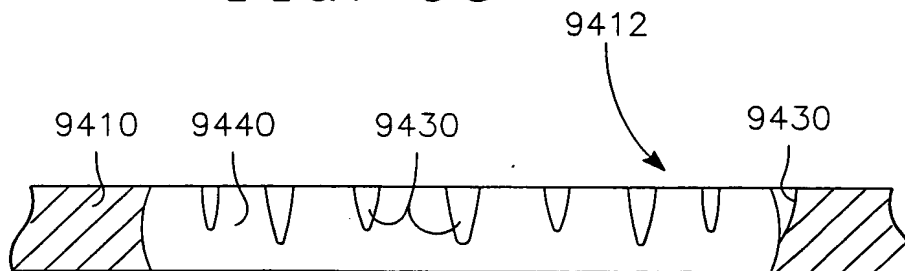


FIG. 96

76/85

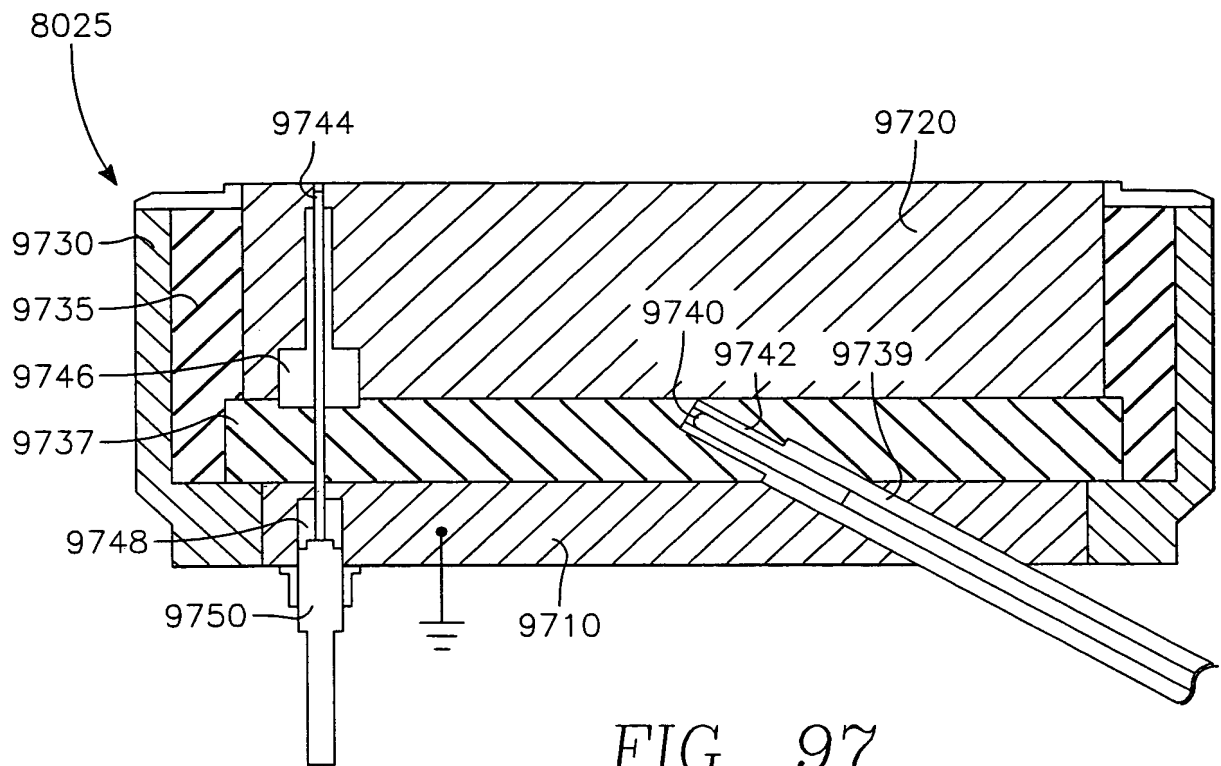


FIG. 97

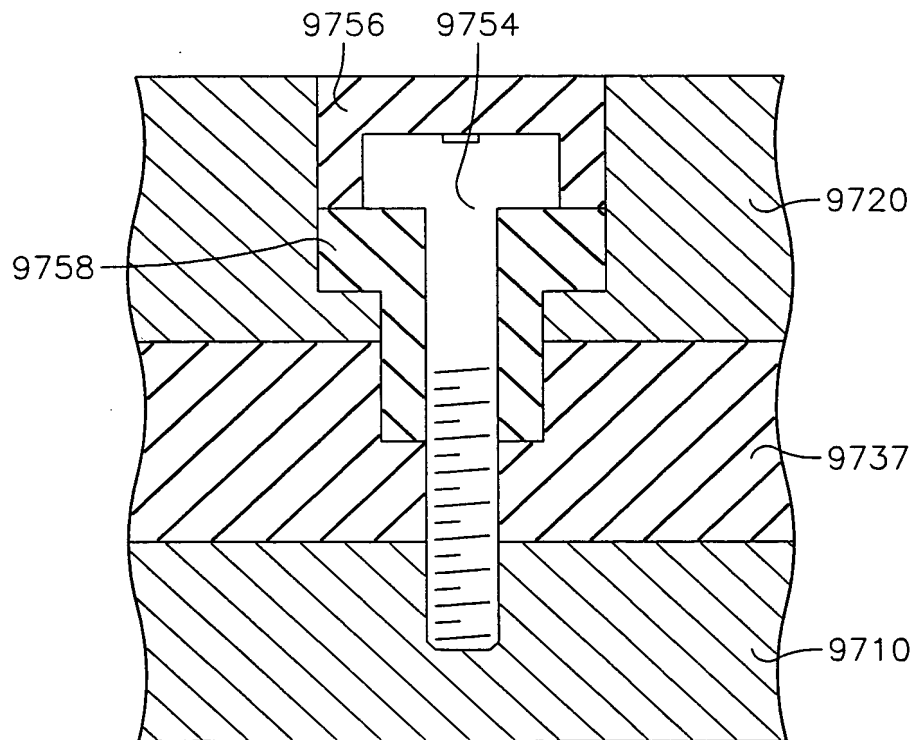


FIG. 98

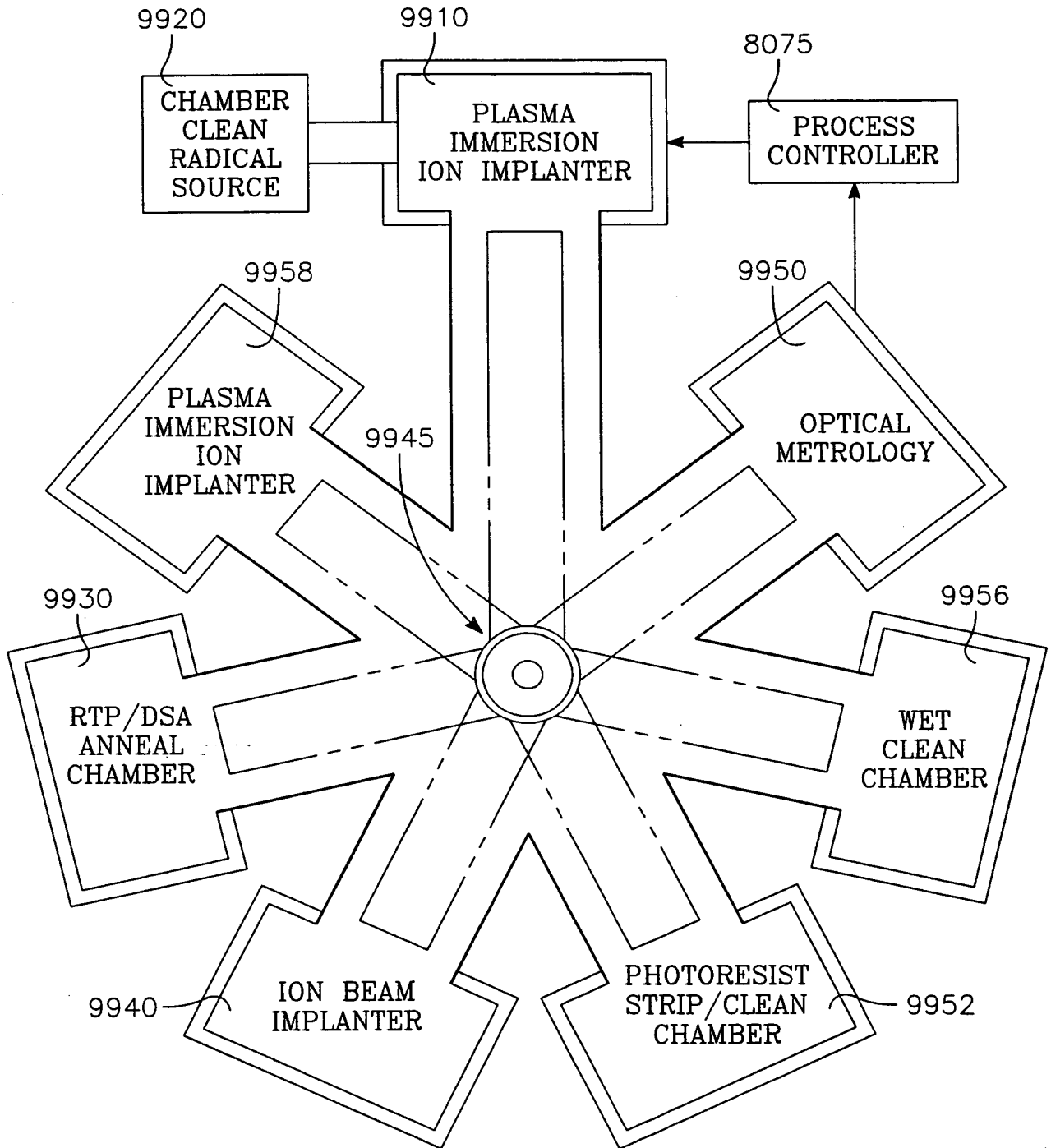
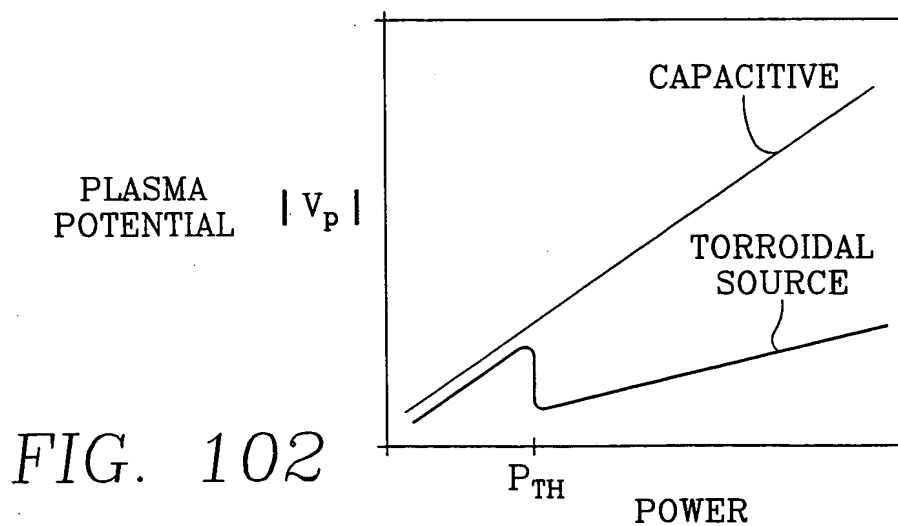
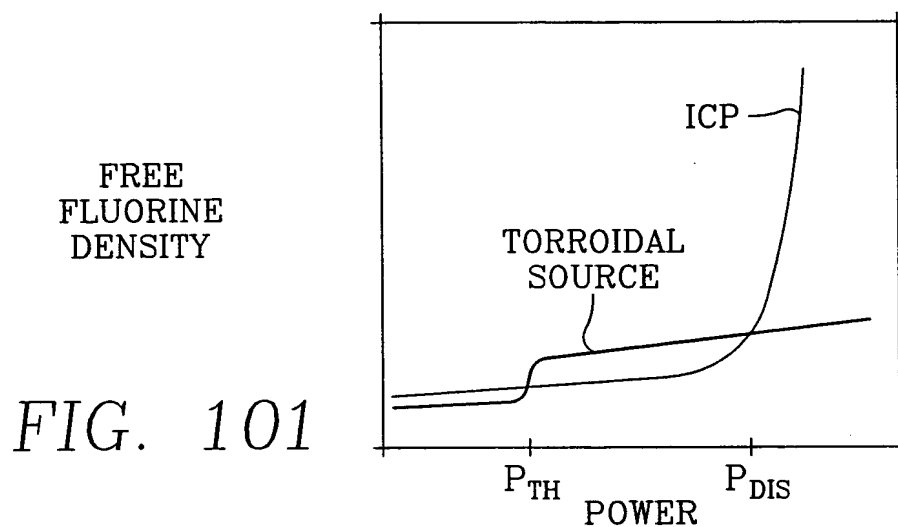
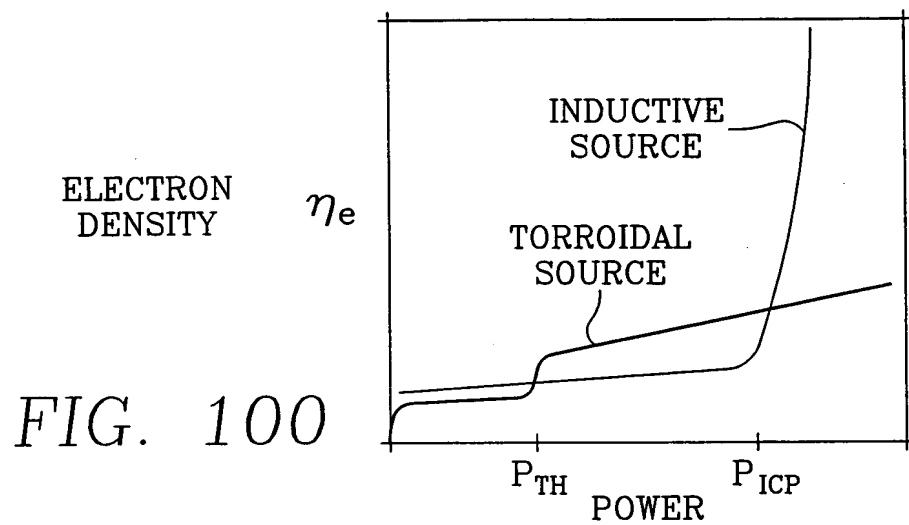


FIG. 99



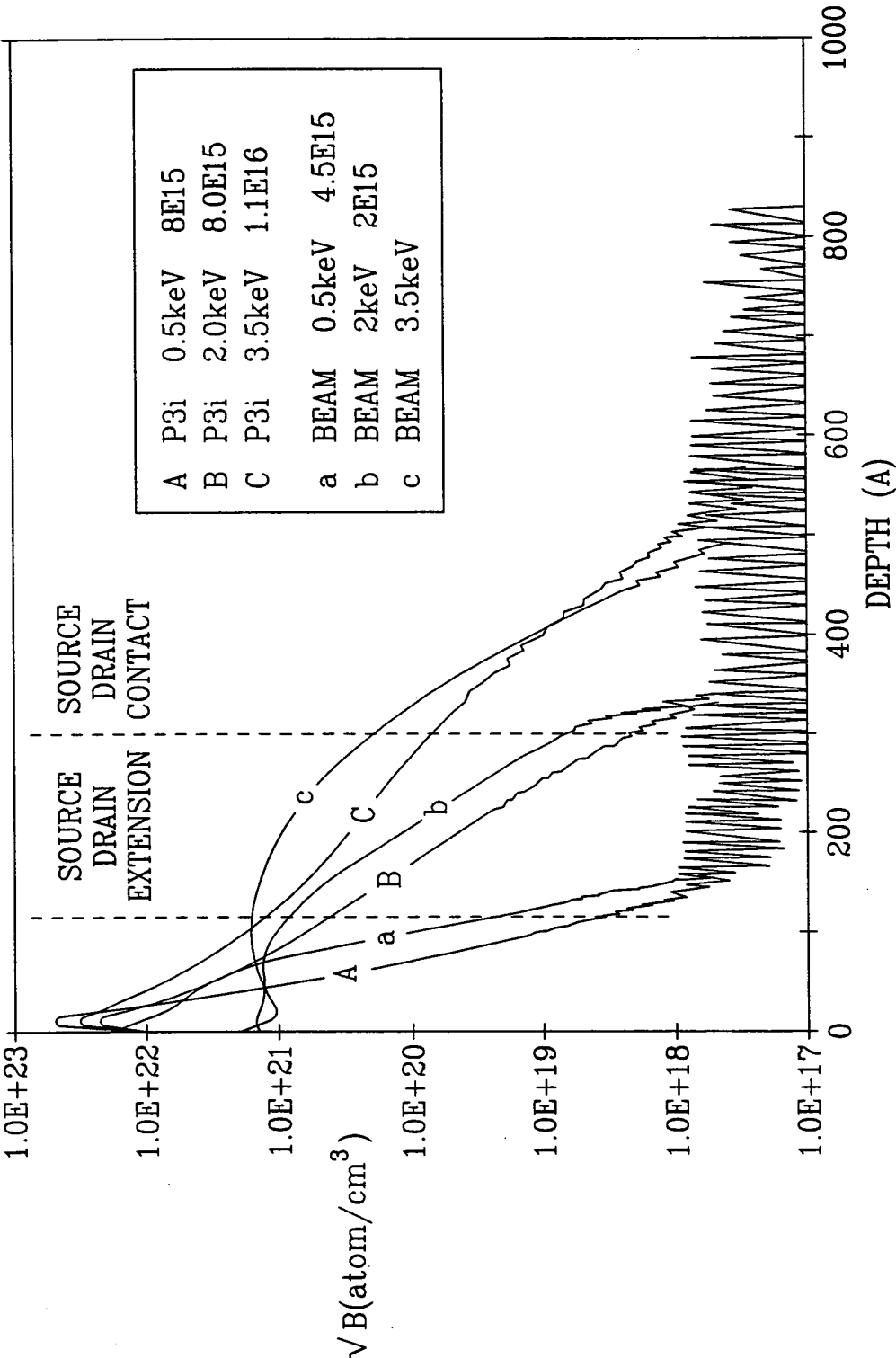


FIG. 103

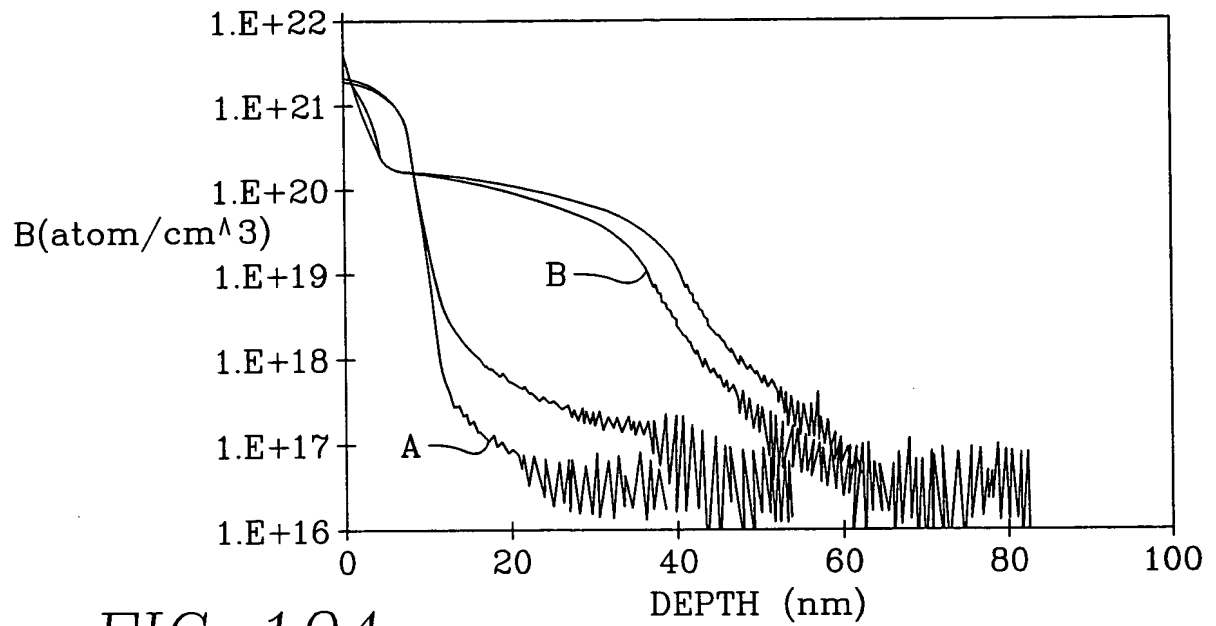


FIG 104

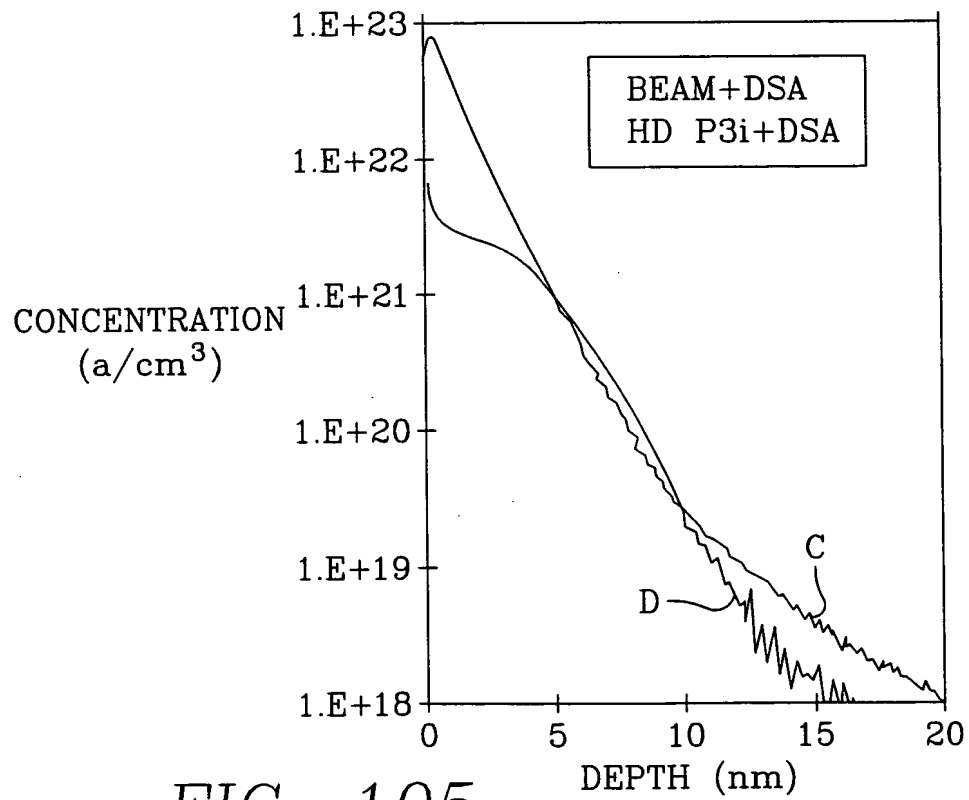


FIG. 105



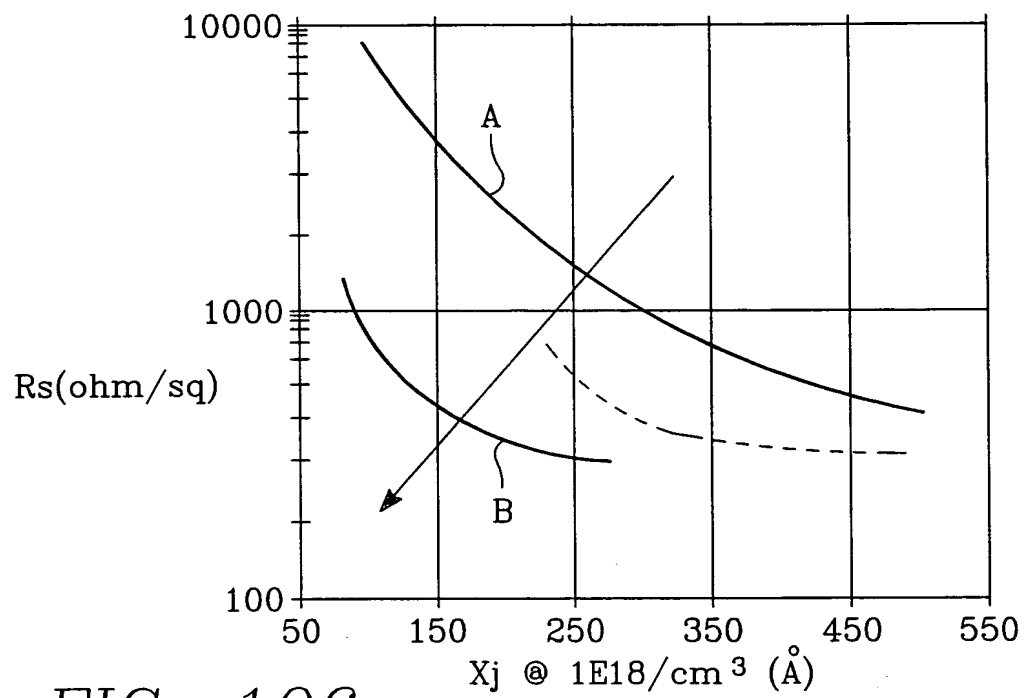


FIG. 106

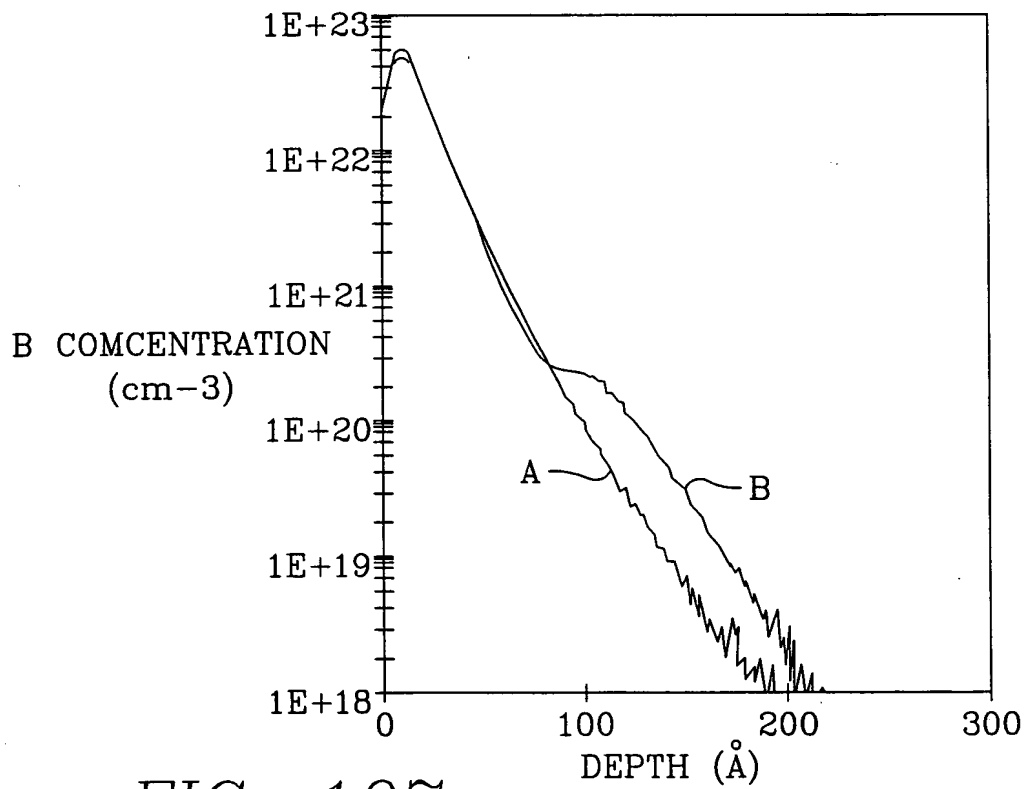


FIG. 107

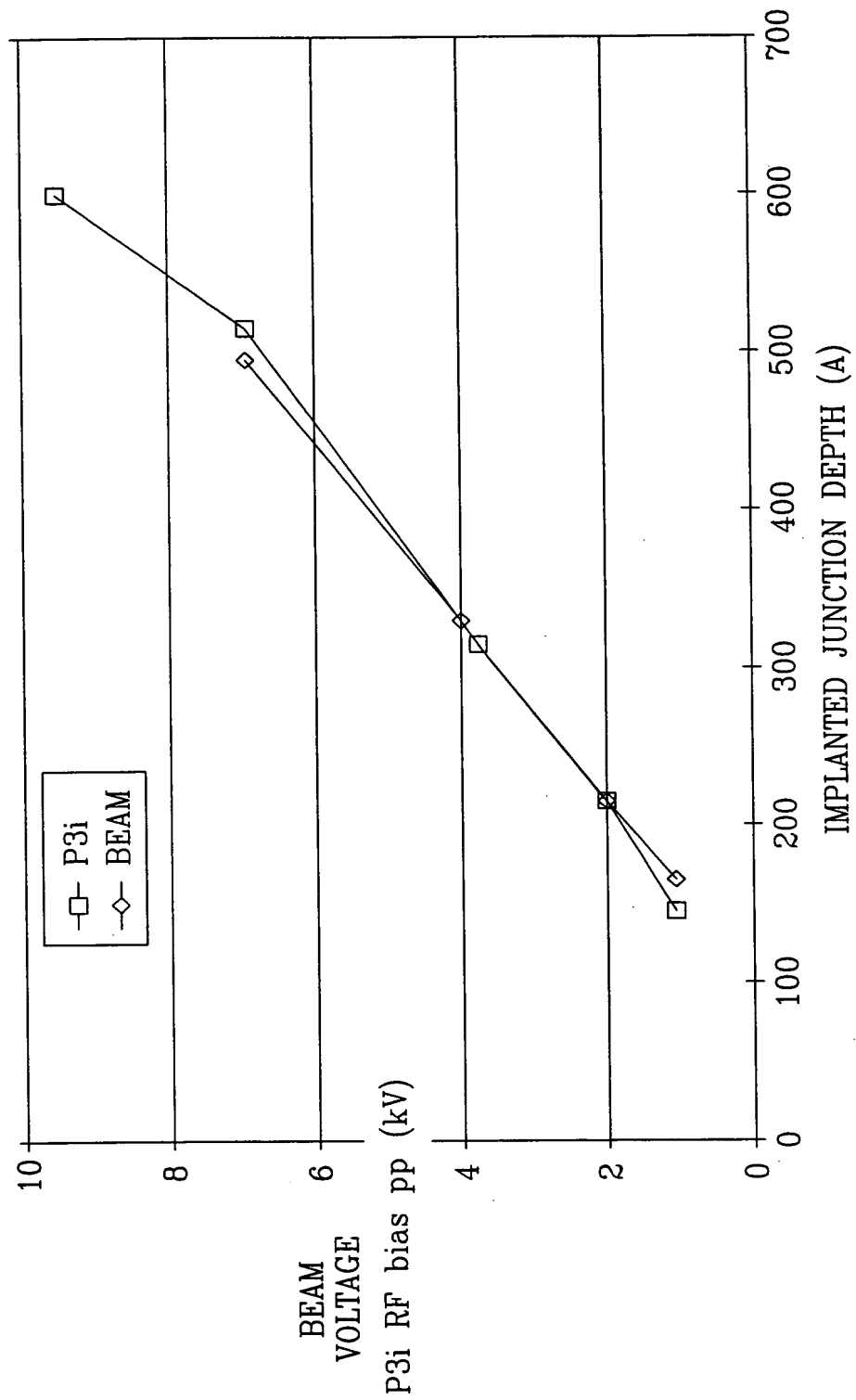


FIG. 108

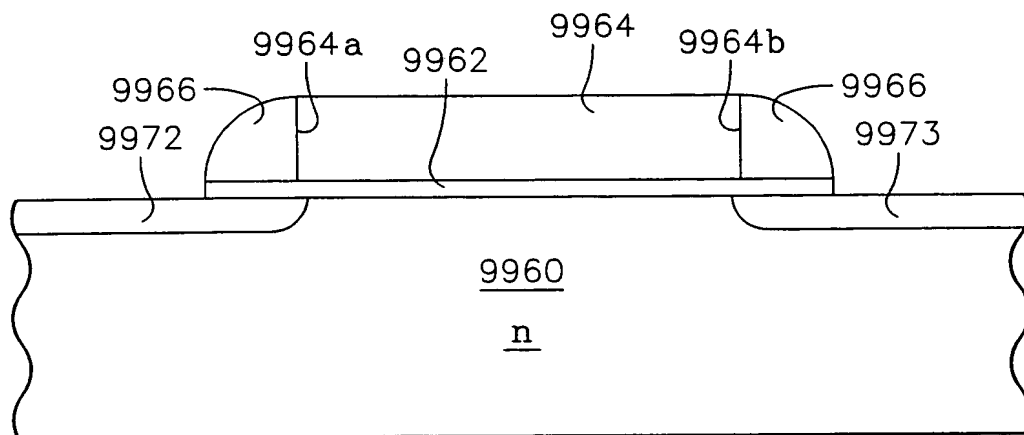


FIG. 109

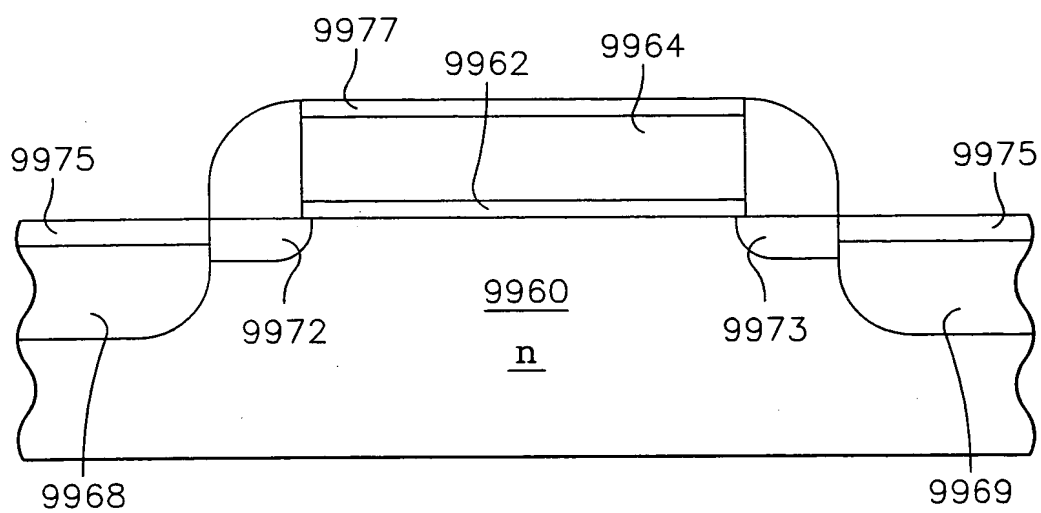


FIG. 110

84/85

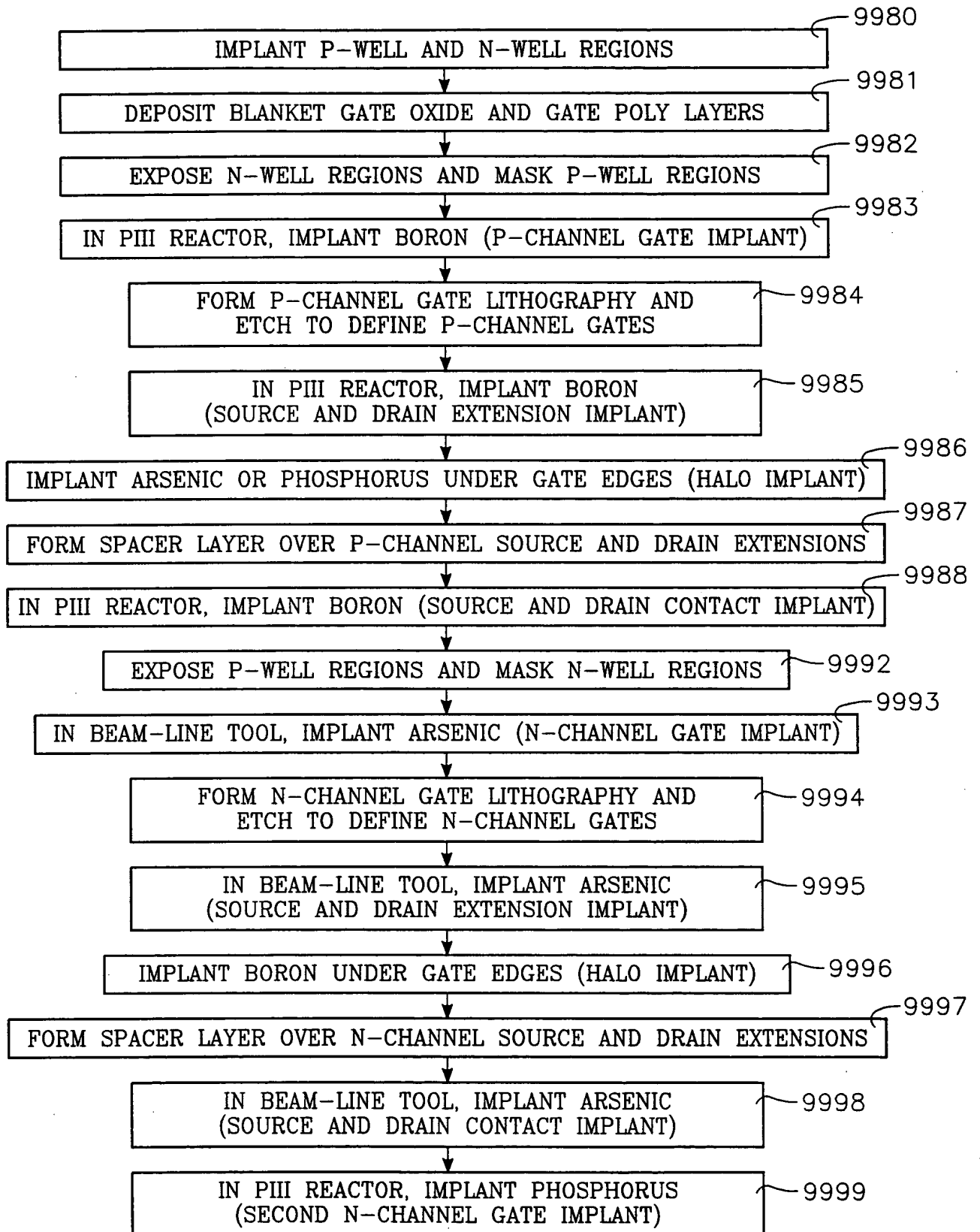


FIG. 111

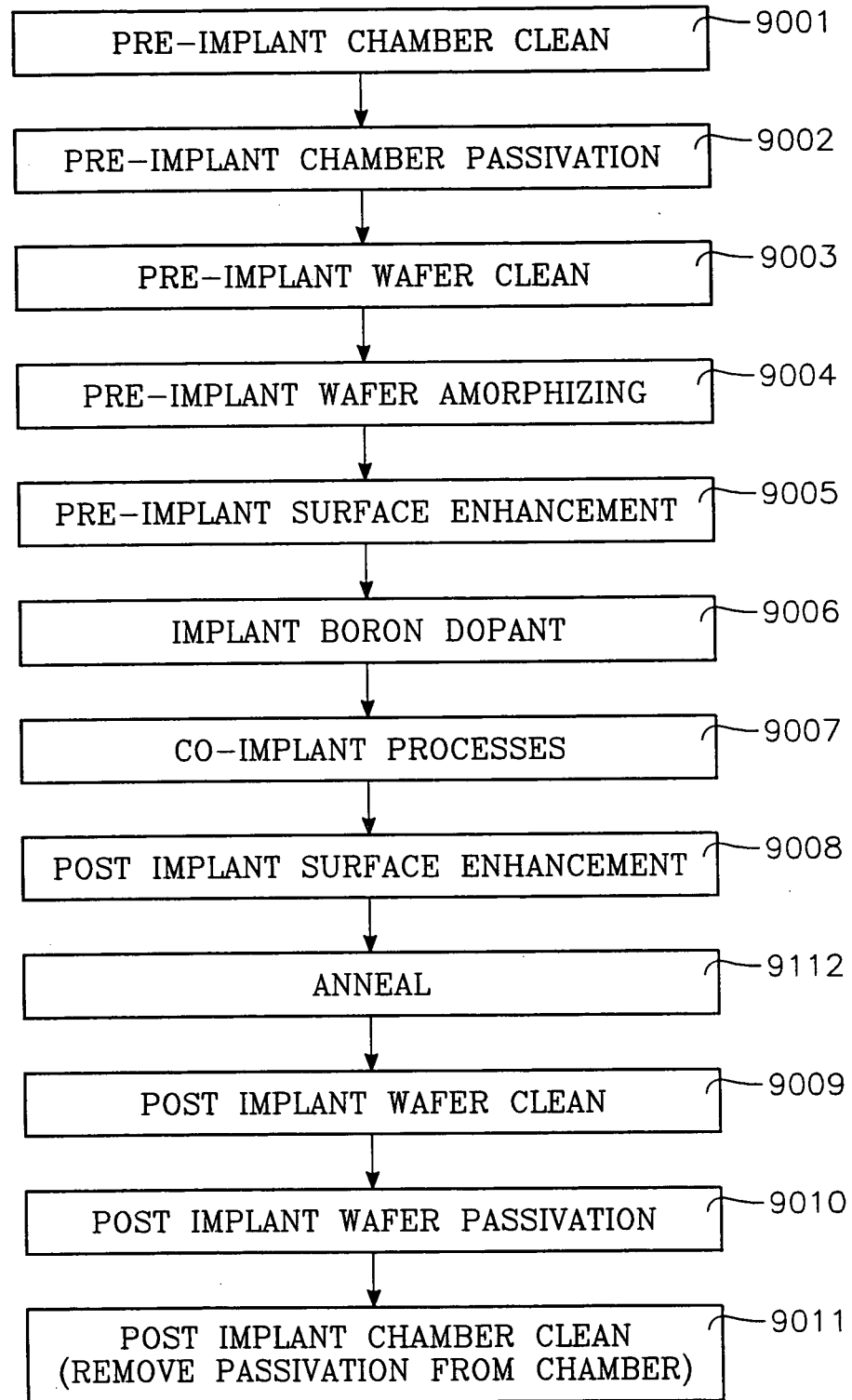


FIG. 112